ENVIRONMENTAL BASELINE SURVEY

FORT DEARBORN U.S. ARMY RESERVE CENTER
Chicago, Illinois

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
Louisville District

April 2000

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ENVIRONMENTAL BASELINE SURVEY

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By

HARZA ENGINEERING COMPANY

April 7, 2000

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S.0 EXECUTIVE SUMMARY

S.1 BACKGROUND

S.1.1 Purpose and Need

This Environmental Baseline Survey (EBS) has been prepared to document the environmental condition of real property at the Fort Dearborn U.S. Army Reserve Center (USARC), Chicago, Illinois, resulting from the storage, release, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history, and establish a baseline for use by the U.S. Army in making decisions concerning real property transactions. The preparation of an EBS is required by Department of Defense (DOD) policy before any property can be sold, leased, transferred, or acquired. Although primarily a management tool, this EBS will also be used by the U.S. Army in meeting its obligations under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code (USC) Section 9620(h), as amended by the Community Environmental Response Facilitation Act (CERFA) (Public Law [P.L.] 102-426). This document was prepared to satisfy CERCLA/CERFA, Department of Defense (DOD) policy (DOD Directive 4715.1, "Environmental Security", February 24, 1996), Department of the Army requirements (DA Pam 200-1), and the American Society for Testing and Materials (ASTM) standard practice (ASTM E-1527, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process", May, 1997), and incorporates information available through May 7, 1999.

S.1.2 CERFA Requirements

CERFA was enacted to facilitate the rapid return to local communities of uncontaminated properties identified during the Base Realignment and Closure (BRAC) process. Uncontaminated property refers to real property on which no hazardous substances and no petroleum products or their derivatives were stored for 1 year or more, or are known to have been released or disposed of. In order to identify uncontaminated properties on military installations scheduled for closure or realignment, an EBS is conducted and the results documented in a report. This EBS is based on existing environmental information related to the past and present storage, release, or disposal of hazardous substances on the installation.

This EBS is based on information obtained through a records search, interviews, and inspections. The records search included a review of available U.S. Army and other agency records including environmental compliance reports, audits, surveys, facility drawings, and inspection reports; an analysis of aerial photographs; and review of recorded chain-of-title documents for the property. Interviews with current employees and physical inspection of the installation property and

facilities were also conducted. The EBS also includes an assessment of the environmental condition of off-base properties immediately adjacent (contiguous) to or relatively near the installation that could pose environmental concern and/or affect the subject property.

Based on an analysis of the available data, property at the Fort Dearborn USARC was classified into one of seven categories:

Category 1: Areas where no release or disposal (including migration) has occurred. This area type is defined as follows: a geographically contiguous and mapable area where the results of investigations show that no hazardous substances or petroleum products were released into the environment, or disposed of on site property.

Category 2: Areas where only release or disposal of petroleum products has occurred. This area type is defined as follows: a geographically contiguous and mapable area where the results of investigations show only that release or disposal of petroleum products has occurred.

Category 3: Areas of contamination below action levels. This area type is defined as follows: a geographically contiguous and mapable area where environmental evidence demonstrates that hazardous substances have been released, but are present in quantities that require no response action to protect human health and the environment.

Category 4: Areas where all remedial action has been taken. This area is defined as follows: a geographically contiguous and mapable area where all remedial actions necessary to protect human health and the environment have been taken.

Category 5: Areas of known contamination with removal and/or remedial action under way. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources or releases of hazardous substances is confirmed based on the results of sampling and analysis in electronic databases and/or environmental restoration and compliance reports.

Category 6: Areas of known contamination where required response actions have not yet been implemented. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources or releases of hazardous substances is confirmed based on the results of sampling and analysis as contained in electronic databases and/or environmental restoration and compliance reports.

Category 7: Areas that are unevaluated or that require further evaluation. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources

or releases of hazardous substances or petroleum products (including derivatives) is suspected, but not well characterized, based on the results of a properly scoped records search, chain of title review, aerial photography review, physical inspection, set of employee interviews, and possibly sampling and analysis. They do not, with certainty, fit any of the previous area types because evaluation efforts have not occurred, are ongoing, or are inconclusive.

Property in the first four categories would be suitable for transfer by deed. Property in the Categories 5 and 6 would be unsuitable for transfer by deed unless: (1) all necessary remedial actions have been taken and the property is awaiting reclassification into one of the first four categories or (2) approval was obtained from the EPA or Governor (as appropriate). Property in Category 7 is unsuitable for transfer by deed. Leases would be considered on a case-by-case basis for properties within all seven categories.

S.2 FINDINGS

S.2.1 Property Categorization and Disclosure Factor Findings

S.2.1.1 Property Categorization Factors

Property categorization factors are hazardous substances, petroleum products, or structures incorporating or associated with the use of hazardous substances or petroleum products as defined by CERCLA §101(14) and CERCLA §120(h)(4) that pose a specific risk or hazard to human health, safety, or the environment. Table ES-1 identifies the property category status by acreage. Categorization is shown on Figures ES-1 and ES-2.

The following factors were examined during the property categorization process. Each factor was categorized individually; findings for each factor were then reviewed to obtain the overall property category.

S.2.1.2 Hazardous Substance and Petroleum Product Storage

Hazardous materials and petroleum products have been stored/used inside the Organizational Maintenance Shop (OMS) Building in connection with automobile maintenance operations. These materials include limited quantities of motor fuels, lubricating oils, paints, thinners, adhesives, cleaners, antifreeze, brake fluid, lead-acid batteries, and petroleum naphtha parts cleaner. Hazardous materials and petroleum products are currently stored inside flammable metal storage cabinets. Historically, these materials were stored inside wall lockers. No

evidence of spills or releases of these materials or other concerns associated with the storage of these materials in the OMS Building was found during this EBS.

Hazardous waste and waste petroleum products are currently or were formerly stored at three locations near the OMS Building. These areas include a current waste accumulation area (referred to herein as STW-1), a battery storage area (referred to herein as STW-2), and a former drum storage area (referred to herein as STW-3). No evidence of contamination or other concerns associated with these storage areas were found during this EBS.

S.2.1.3 Storage Tanks

There is no evidence of the current or historical presence of underground storage tanks on the Fort Dearborn property.

One aboveground storage tank (AST), referred to herein as AST-1, was formerly located on the property near the southwest corner of the OMS Building. The AST was reported to have a 300-gallon capacity and was used to contain waste oil, waste paint, and paint thinner. Although the exact date of removal of the tank is not known, the tank was apparently removed between 1990 and 1998. Available records indicate that the tank was in good condition with no visible leaks. No obvious evidence of contamination was observed in the area of the former tank during the April 1999 visual site inspection performed during this EBS.

S.2.1.4 Oil/Water Separators

One oil/water separator (OWS), referred to herein as OWS-1, is located on the property near the northwest corner of the Reserve Center Building. The OWS is constructed of concrete, has interior dimensions of 4'-0" wide by 8'-0" long and a total depth of approximately 8'-0", and discharges to the sanitary sewer system. The OWS is currently not in use and is reported to generally be in good condition, except groundwater was recently noted as seeping through the OWS walls near the inlet and outlet pipes during a recent inspection. No obvious evidence of contamination was observed in the area of the oil/water separator during the April 1999 visual site inspection performed during this EBS.

S.2.1.5 Pesticides

There is no evidence of the current or historical storage of pesticides or the current application of pesticides on the Fort Dearborn property. Based on available information, the historical

application of commercial pesticides on the property by a private contractor is suggested, but could not be confirmed.

S.2.1.6 Ordnance

Two locations at the Fort Dearborn USARC were identified where ordnance has been stored or routinely used for training. These areas include a former indoor small arms firing range and an arms storage room, each located inside the Reserve Center Building.

The former firing range, referred to herein as ORD-1, has reportedly been closed since at least 1979. However, there is no evidence that lead abatement efforts, including removal of the inner ceiling tile and removal and disposal of the lead in the lead trap, have been initiated or completed for the range. Other concerns at this site also relate to the possible presence of lead in soil near the firing range vent.

Small caliber munitions are reportedly infrequently stored in the arms rooms located in the central portion of the Reserve Center Building, referred to herein as ORD-2. No concerns associated with the current or historical storage of ordnance in this area were observed during this EBS.

There is no evidence of the disposal of unexploded ordnance on the Fort Dearborn property.

S.2.1.7 Medical/Biohazardous Waste

There is no evidence of the generation, storage, or disposal of medical/biohazardous waste at the Fort Dearborn USARC.

S.2.1.8 Other Factors

Three property categorization factors classified as "Other" were identified on the Fort Dearborn property. The factors include a former maintenance pit, a former shop sink, and a former vehicle wash rack.

The former maintenance pit, referred to herein as OTH-1, is a concrete-lined pit located inside the west portion of the OMS Building and has been closed since at least 1987. Based on available information obtained during this EBS, there is no evidence of an inspection of the pit to determine its integrity or to assess the possible occurrence of spills.

The former shop sink, referred to herein as OTH-2, is described as an improvised sink installed in 1989 which drains to a porous, buried 55 gallon drum inside the western portion of the OMS Building. No other information regarding the shop sink was found during this EBS.

The former vehicle wash rack, referred to herein as OTH-3, is described as a concrete wash rack located near the southwest corner of the OMS Building. The wash rack was reported to drain through a shallow hand dug trench and was noted to be included under a facility NPDES permit. During the April 1999 visual site inspection, the concrete surface of the former wash rack was observed to be in poor condition with numerous cracks and is reportedly no longer used.

S.2.2 Facility Disclosure Factors

Facility disclosure factors are hazardous substances or petroleum products, which do not pose a threat to the well being of the human community and environment when managed and maintained properly. Information on asbestos, lead-based paints, drinking water quality, indoor air quality, polychlorinated biphenyls (PCBs), radioactive materials and mixed wastes, and radon was reviewed. Based on DOD guidance for the implementation of CERFA, facility disclosure factors were not used in categorizing property. These factors are not considered to be hazardous when properly managed and in good condition. Their presence and any required protective actions would be identified and addressed in any lease/deed documentation.

S.2.2.1 Asbestos

Information obtained during this EBS indicates only limited asbestos sampling has been performed at the Fort Dearborn USARC. Asbestos containing material was identified in the 9"x 9" floor tiles and mastic in Rooms 212/213. Ceiling tiles in Rooms 141/142 were determined to be non-asbestos containing material.

During the April 1999 visual site inspection, the following suspected asbestos containing building materials were observed in various locations in the Reserve Center Building: 9"x 9" floor tiles, 2'x 4' white ceiling tile, 1'x 1' white ceiling tiles, and 1' x 1' acoustical ceiling tiles. Pipe and elbow insulation was observed throughout the facility, and pipe, elbow, and boiler insulation were observed in the boiler room. All the observed suspected ACM building materials appear to be in good condition.

No obvious evidence of suspected asbestos-containing material was observed in the OMS Building. However, vehicle brake changing operations have historically occurred in the OMS Building. Reportedly, one brake job was performed annually and used brake pads were sent off-base for recycling. During the April 1999 visual site inspection, no evidence of current brake changing operations was observed.

S.2.2.2 Lead-Based Paint

No lead-based paint surveys have been performed for the Fort Dearborn USARC. However, based on the age of the facilities and observations made during the April 1999 visual site inspection, it is likely lead-based paint is present in on base structures.

S.2.2.3 Drinking Water Quality

The Fort Dearborn USARC obtains its drinking water from Lake Michigan through the City of Chicago Department of Water. No problems associated with the installation water supply were identified during this EBS.

S.2.2.4 Indoor Air Quality

No workplaces at the Fort Dearborn USARC have historically or are currently being studied with regard to indoor air quality issues. Additionally, no complaints regarding indoor air quality were found during this EBS.

S.2.2.5 Polychlorinated Biphenyls (PCBs)

There are no records of past PCB spills or releases on the Fort Dearborn property and no obvious physical evidence of leaks from PCB containing equipment was observed during the April 1999 visual site inspection. Results of the April 1999 visual site inspection indicate the presence of possible PCB-containing electric light ballasts throughout the property.

S.2.2.6 Radioactive Materials and Mixed Waste

All radioactive sources used at the Fort Dearborn USARC are for the calibration of radiac instruments and are stored in the Reserve Center Building. A radiological closeout survey was

conducted as part of this EBS, which indicated no evidence of contamination. No mixed wastes were identified during the EBS.

S.2.2.7 Radon

Radon screening conducted at the Fort Dearborn USARC in 1990 indicated concentrations ranging from 0.6 to 2.0 pCi/L in the Reserve Center Building. USEPA has established the highest acceptable level of indoor radon as 4 pCi/L and no additional guidelines have been established on the local level. According to a 1990 report issued by the State of Illinois Department of Nuclear Safety, the probability of radon concentrations greater than 4 pCi/L in Cook County is estimated to be less than 25%.

S.2.3 Natural Resource Disclosure Factors

Natural resource disclosure factors are structures or artifacts of historical or cultural interest, threatened or endangered species or their habitats, unusual geologic or floodplain conditions, and/or valuable mineral resources that may affect the transfer or lease of property. Their presence and any required protective actions would be identified and addressed in any lease/deed documentation.

S.2.3.1 Cultural Resources

No prehistoric, historic, traditional or paleontological resources have been identified as existing on the Fort Dearborn property. The entire property has been graded and landscaped and/or built upon since the early 1960s and any prehistoric, traditional or paleontological resources are unlikely to remain.

S.2.3.2 Biological Resources

Based upon information gathered for the O'Hare International Airport region, several federal and/or state listed threatened or endangered species may use the Fort Dearborn property upon occasion. However, there are no known sensitive habitats or wetlands on the property and no threatened or endangered species are known to inhabit the Fort Dearborn property. Correspondence obtained from the U.S. Department of Interior Fish and Wildlife Services precludes the need for further action with respect to endangered and threatened species as

required under the Endangered Species Act of 1973. There are no prime or unique farmlands or timberlands on the Fort Dearborn property.

S.2.3.3 Unusual Geologic Conditions

Fort Dearborn is located in Seismic zone "0", according to the Uniform Building Code, indicating little or no seismic hazard. Topography on the Fort Dearborn property is relatively flat and there is no evidence or likelihood of landslide activity. The dolomite bedrock beneath the property is not considered susceptible to sinkhole activity and there are no valuable minerals associated with the property. The entire Fort Dearborn property is located in the 100-year floodplain of Willow Creek. No economically mineable sand and gravel deposits are known to occur and there is no history of stone quarrying on the Fort Dearborn property or in the immediate area.

S.2.4 Adjacent Property Findings

Adjacent property analysis for this EBS included a records search of properties within approximately one mile of the Fort Dearborn boundary and physical inspection and/or visual site inspection of fifteen properties contiguous to or in the vicinity of the Fort Dearborn boundary. Based on the records search and inspections of the properties conducted for this EBS, there are no known areas on the Fort Dearborn property that have been contaminated by adjacent properties.

S.3 DATA GAPS AND REQUIRED INVESTIGATIONS

A total of six sites have been placed in Category 7 during this EBS. These sites are areas identified as requiring further investigation to resolve data gaps. Data gaps identified to date and required actions to resolve these gaps are listed below:

Several property categorization factors were identified in the USATHAMA Waste Site Report (Weston, 1990) for the Fort Dearborn USARC included a former indoor firing range (ORD-1), vehicle wash rack and oil/water separator (OWS-1), a former maintenance pit (OTH-1), a former shop sink (OTH-2), and a former vehicle wash rack (OTH-3). For each of these five sites, available information was insufficient to make a determination of the environmental condition of these sites. Sampling should be conducted at these sites to verify that contamination does not exist.

Incomplete data were obtained to indicate that the lead abatement efforts at the firing range were initiated and/or completed. Additional information regarding the status of this site has been requested from the 88th Regional Support Command (RSC) – Environmental Division. If additional can be provided to demonstrate completion of the abatement, the site can be placed into a transferable category. Otherwise, abatement efforts should be undertaken and documented.

TABLES

Table ES-1
Property Categorization Status by Acreage

Property Category	Estimated Acreage
Category 1	15.06
Category 2	0
Category 3	0
Category 4	0
Category 5	0
Category 6	0
Category 7	0.42

FIGURES

Property Categorization Factor Designation	Description
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.
STW-3	**Former Drum Storage Area**. Area was formerly used for the storage of 55-gallon drums containing waste oil.
AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.
ORD-2	**Arms Storage Room**. Area used principally for weapons storage, but is infrequently used for temporary storage of small caliber munition.
OTH-1	**Former Maintenance Pit**. Former pit used to facilitate maintenance activities underneath vehicles. Pit has been filed and covered with concrete.
OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.
OTH-3	**Former Vehicle Wash Rack**. Former concrete vehicle wash rack used for vehicle cleaning. The washrack was reported to drain into a shallow had dug trench. Site is currently not in use.
OWS-1	**Oil/water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.

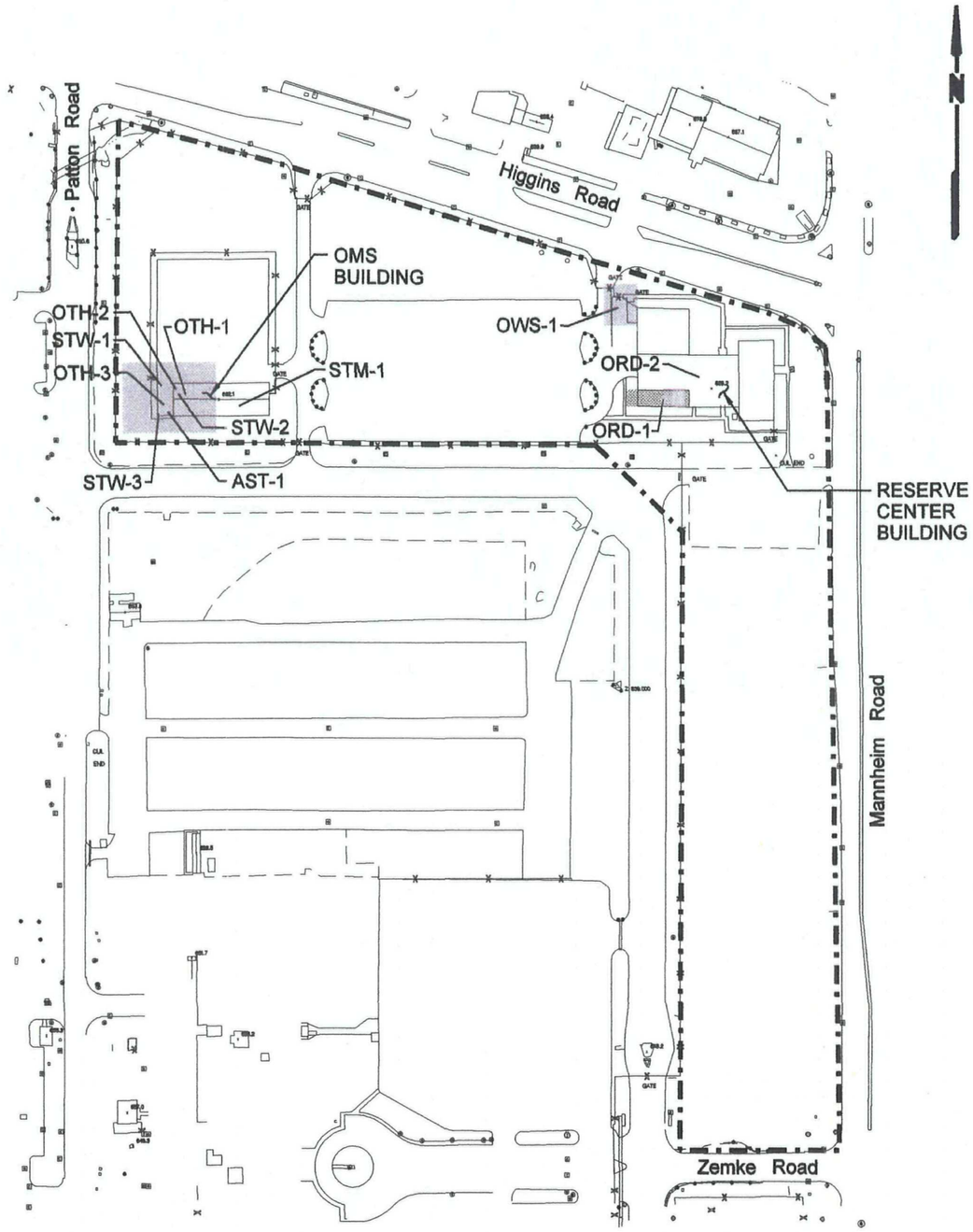

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Figure ES–1
PROPERTY CATEGORIZATION
FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

Property Categorization Factor Designation	Description
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.
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AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.
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OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.
OTH-3	**Former Vehicle Wash Rack**. Former concrete vehicle wash rack used for vehicle cleaning. The washrack was reported to drain into a shallow had dug trench. Site is currently not in use.
OWS-1	**Oil/water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.

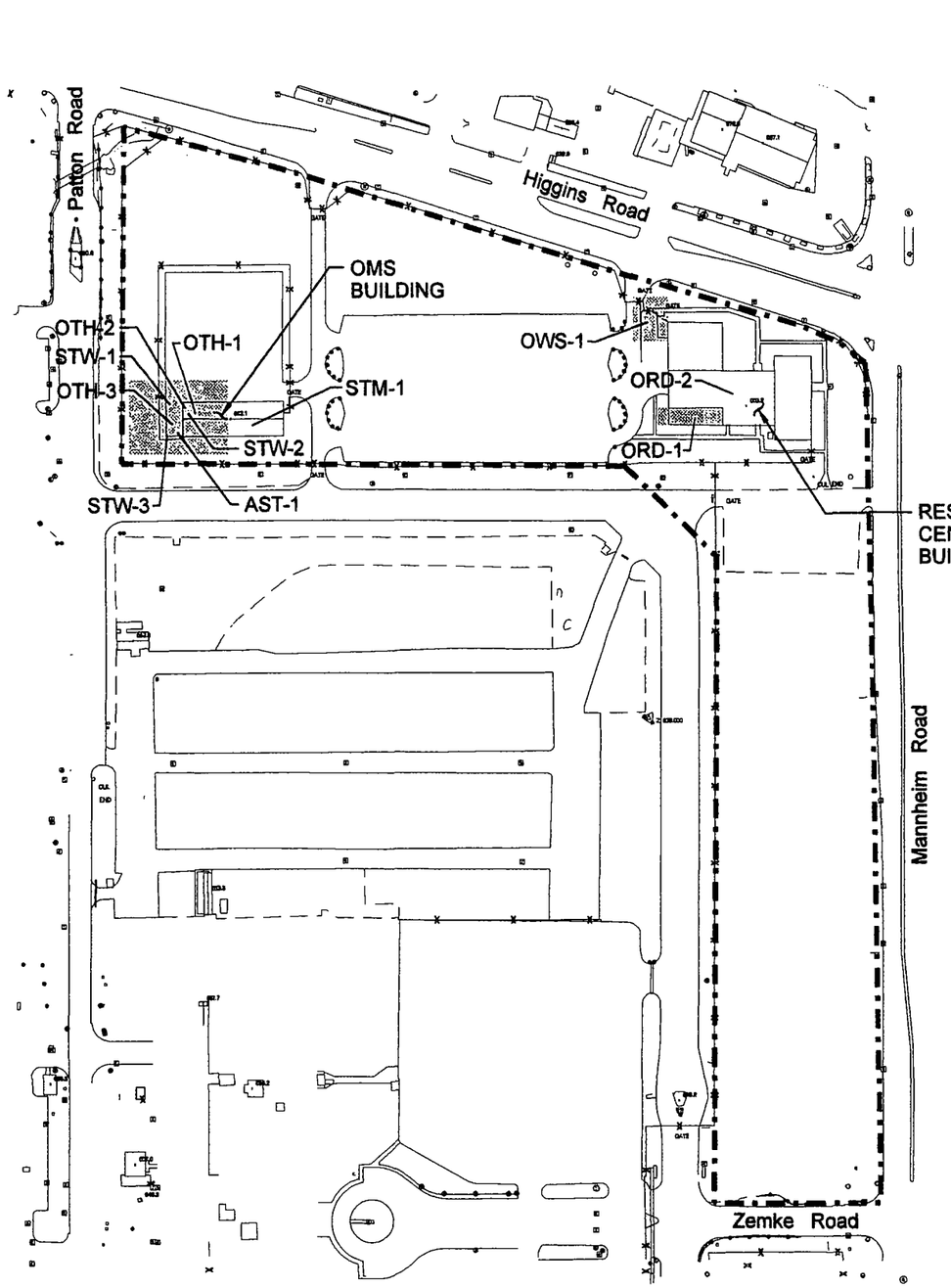

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Figure ES-2
CATEGORY 1 PROPERTY
FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

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1.0 PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY

1.1. INTRODUCTION

This Environmental Baseline Survey (EBS) has been prepared to document the environmental condition of U.S. Army property at the Fort Dearborn Army Reserve Center (USARC), Chicago, Illinois, resulting from the storage, release, and disposal of hazardous substances and petroleum products and their derivatives over the installation's history, and to establish a baseline for use by the U.S. Army in making decisions concerning real property transactions. The preparation of an EBS is required by DOD policy before any property can be sold, leased, transferred, or acquired. Although primarily a management tool, the EBS will also be used by the U.S. Army in meeting its obligations under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 United States Code (USC) Section 9620(h), as amended by CERFA (Public Law [P.L.] 102-426). The EBS does not address the adjoining U. S. Air Force property located to the west and south of the Fort Dearborn property, except to the extent that the U.S. Air Force property is considered an adjacent property. This EBS incorporates information available through May 7, 1999.

CERFA was enacted to facilitate the rapid return to local communities of uncontaminated properties identified during the BRAC process. Uncontaminated property refers to real property on which no hazardous substances nor petroleum products or their derivatives were stored for 1 year or more, or are known to have been released or disposed of. In order to identify uncontaminated properties on military installations scheduled for closure or realignment, an EBS is conducted and the results documented in a report. This EBS is based on existing environmental information related to the past and present storage, release, or disposal of hazardous substances on the installation.

The U.S. Army will use the EBS, along with other available information, to:

- Develop sufficient information to assess the health and safety risks on the property surveyed, and determine what actions are necessary to protect human health and the environment prior to a real property transaction.

- Support decisions for Finding of Suitability to Lease/Finding of Suitability to Transfer (FOSL/FOST) and aid in determining lease or deed restrictions.

- Document uncontaminated property and obtain regulatory agency concurrence as required and defined under Section 120(h)(4) of CERCLA.

- Support notice, when required under Section 120(h)(1) of CERCLA, of the type, quantity, and time frame of any storage, release, or disposal of hazardous substances or petroleum products or their derivatives on the property.

- Identify data gaps concerning environmental contamination.

- Define potential environmental liabilities associated with real property transactions.

- Aid in determining possible effects on property valuation resulting from any contamination/concerns identified.

1.2. CONTENT AND FORMAT

This EBS is based on information obtained through a records search, interviews, and site inspections. The records search included a review of available U.S. Army files and other agency records, including environmental restoration and compliance reports, records, audits, surveys and inspection reports; an analysis of aerial photographs; and review of recorded chain-of-title documents for the property. Interviews with current employees and physical inspection of the installation property and facilities were also conducted. The EBS also includes an assessment of off-base properties contiguous to or relatively near the installation that could pose environmental concern and/or affect the subject property.

The EBS is arranged in seven chapters and six appendices. A short discussion on each is provided below, describing its purpose and content. Tables and figures referenced in each chapter of the report can be found immediately following that chapter's text.

Executive Summary, summarizes the purpose and need, principle findings, and data gaps/required investigations based on the results of the EBS.

Chapter 1. Purpose of the Environmental Baseline Survey, describes the purpose, content, and format of the EBS. It also describes the physical boundaries of the survey.

Chapter 2. Survey Methodology, presents the approach and rationale used to identify and delineate environmental concerns (Property Categorization Factors vs. Facility and Natural Resources Disclosure Factors), the property categorization process (uncontaminated vs. contaminated), and the limitations and assumptions that were made.

Chapter 3. Findings, establishes the baseline status or environmental condition of the installation at the time of the survey, presents an overview of the installations' historic land uses, reveals the findings for the Property Categorization Factors, and the Facility and Natural Resources Disclosure Factors.

Chapter 4. Adjacent Property Findings, describes the approach used to conduct the adjacent property evaluation, the results of a search of federal and state agency records and databases to identify reported sites where hazardous materials are used and/or hazardous waste is generated, a description of the off-base properties surveyed, and the findings of the off-base property evaluation.

Chapter 5. Conclusions, includes facility-specific information derived from the records search and visual site inspection. The classification of installation property for the purpose of identifying uncontaminated property in accordance with CERFA and for property transactions, a discussion of incomplete findings and identified data gaps, and investigations required to determine what additional remedial or other actions, if any, are needed to close out the environmental concerns identified in this EBS.

Chapter 6. Glossary of Terms and Acronyms

Chapter 7. References and Persons Contacted

1.3. SURVEY AREA BOUNDARIES

The findings of this EBS are based on a review of information available for and the inspection of (1) property on the Fort Dearborn USARC, (2) property adjacent to the installation boundary (i.e., having a contiguous border with the installation boundary), and (3) property within approximately 0.25 mile of the installation boundary with potential environmental concerns or properties located between 0.25 and 1.0 mile from the installation boundary with potential environmental concerns identified through the records search and/or visual site inspection. The results of the survey of on-base and off-base properties are discussed in Chapters 3 and 4, respectively. The location of the Fort Dearborn USARC is illustrated on Figure 1-1. Figure 1-2 is a map showing the facilities and layout of the Fort Dearborn USARC.

FIGURES

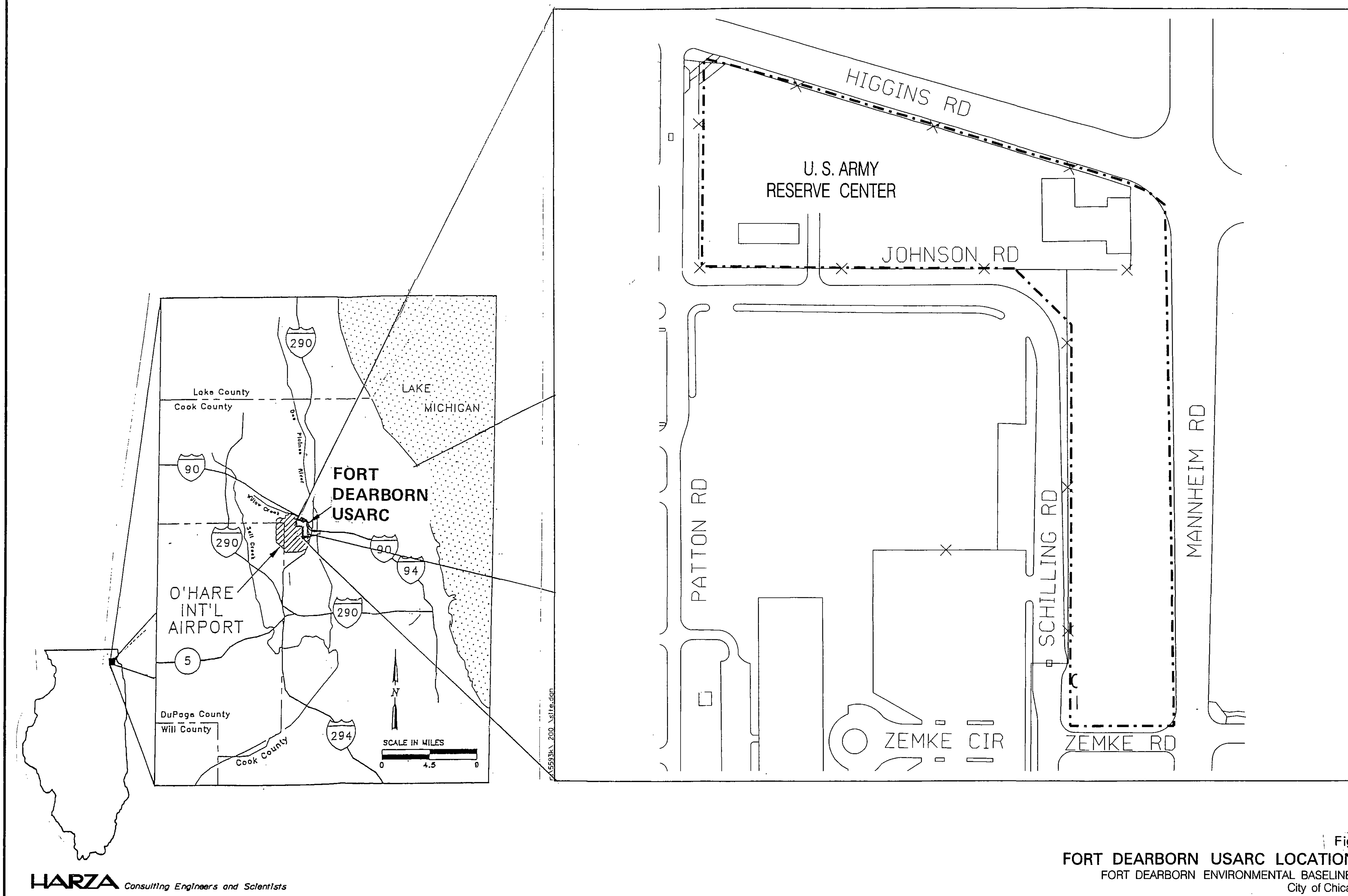

Figure 1-1
FORT DEARBORN USARC LOCATION MAP
FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

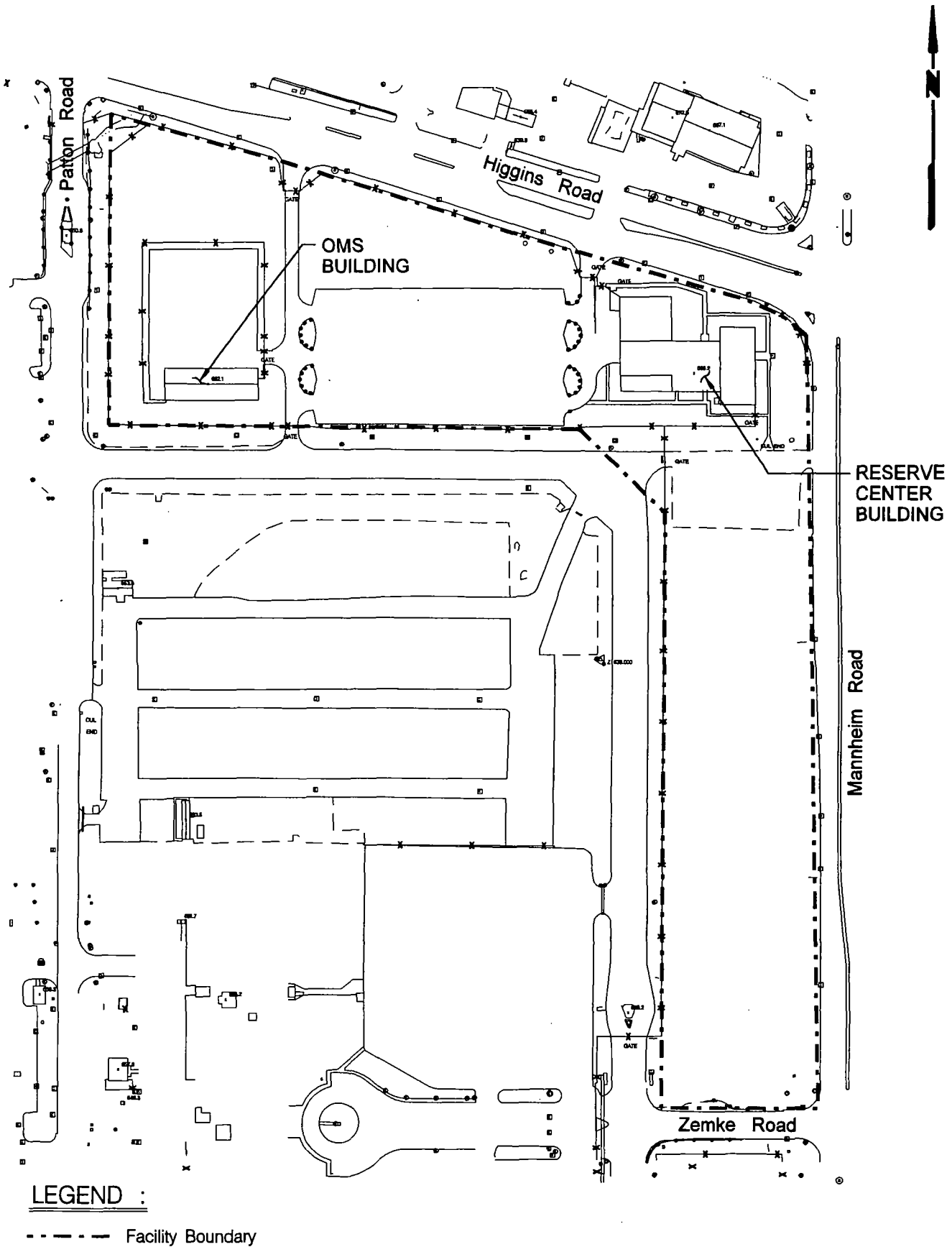

Figure 1–2

FACILITY MAP

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY

City of Chicago, Illinois

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2.0 METHODOLOGY

The methods used to conduct this EBS for the Fort Dearborn USARC are described in this chapter. Specific environmental factors considered in this EBS are also discussed in this section, including the primary sources of information used.

2.1. APPROACH AND RATIONALE

This EBS follows a process in which all reasonably available information was analyzed and conclusions were drawn about the environmental condition of the Fort Dearborn property. First, available real estate records, various historical maps, and aerial photographs were reviewed to identify current and historic land uses. Areas where industrial activities occurred, solid and hazardous wastes were stored, released, or disposed; and hazardous materials were identified and received the closest scrutiny.

Next, available environmental studies, investigations, and other records obtained from the U.S. Army and other federal, state, and local agencies were reviewed to identify areas where the presence (or absence) of contamination had been confirmed. In addition, interviews with current employees were conducted and physical inspections of the property and facilities were performed to identify obvious evidence of stressed vegetation, spotting, or other conditions that may indicate the presence of contamination. A review of recorded title documents was also conducted to determine if any prior uses could reasonably contribute to the installation's existing environmental condition.

The result of this process is a series of information layers which provides a composite picture of the environmental characteristics of the property. The composite information was then used to: categorize the property to satisfy CERCLA §120(h) notification requirements; provide disclosure information to satisfy real estate transfer requirements; and provide baseline information for environmental management purposes.

2.2. DATA COLLECTION

2.2.1. Document Review

Records of surveys and assessments conducted by the U.S. Army into the environmental condition of the Fort Dearborn property were reviewed and provided the initial baseline used in developing this EBS. These surveys and assessments generally included:

- Environmental checklists and inspection reports;
- Resource Conservation and Recovery Act (RCRA) related documentation;
- Environmental Compliance and Assessment reports; and
- Environmental survey documents (e.g., asbestos, radon).

Available historic aerial photographs and maps were analyzed to identify past land uses, potential environmental contamination sources, and to verify or invalidate other information found during the records search. Aerial photographs from 1938, 1949, 1955, 1958, 1963, 1970, 1975, 1981, 1987, 1990, and 1992 were reviewed (Appendix G). Primary map resources reviewed included Sanborn Fire Insurance Maps, U.S. Geological Survey (USGS) Topographic Maps, and facility maps from 1990, 1993, and 1997.

Freedom of Information Act (FOIA) requests (Appendix A) were submitted during this EBS to various independent organizations requesting information relevant to this EBS. These organizations included the Chicago Historical Society, U.S. Department of Interior Fish and Wildlife Service, Illinois Department of Natural Resources, Department of Energy and Natural Resource, Illinois State Museum, U.S. Department of Interior National Park Service, Illinois Historic Preservation Agency, Northeastern Illinois Planning Commission, Illinois Department of Agriculture, U.S. Department of Agriculture, Illinois State Geological Survey, Commission on Chicago Landmarks, U.S. Army Corps of Engineers –Chicago District, USEPA –Region V, Illinois EPA, and the Illinois State Fire Marshall. Information received to date in response to these requests is provided in Appendix B

Additionally, recorded title documents for the property historically and currently comprising the Fort Dearborn USARC were reviewed. Prior ownerships and uses of parcels now included within the installation boundaries were assessed to the extent defined in the documents, to determine if any prior uses could be identified that may reasonably be expected to contribute to existing environmental concerns. The chain-of-title is presented in Appendix C.

A complete list of documents consulted is provided in Section 7.1

2.2.2. Interviews

Interviews were conducted with installation personnel and civilian employees concurrently with the records search and physical inspection, to identify potential environmental concerns related to recent and historic operations at the Fort Dearborn USARC and to verify information found in the records. Primary contacts were with personnel from the 814th Military Police Company, the

822nd Military Police Company, and the 88th Regional Support Command - Environmental Division. A list of individuals contacted is provided in Section 7.2

2.2.3. Inspections

2.2.3.1. Installation Property

A visual site inspection of the Fort Dearborn property and facilities was conducted to verify characteristics or features identified during the records search and to identify other potential environmental concerns. The visual site inspection, involving both exterior and interior inspection, was conducted at all facilities on the installation to identify any readily apparent concerns or attributes. The visual site inspection was conducted to determine or confirm the presence of environmental contamination or concerns, including unusual odors, stained soils, stressed vegetation, leachate seeps, or other indications of potential contamination. Selected photographs collected during the visual site inspection are presented in Appendix D.

The visual site inspection was conducted while typical installation activities were occurring, Monday through Friday. As an active reserve facility, the greatest activity occurs on training weekends. Therefore, facilities were operating at less than full capacity during the visual site inspection. All areas of the Fort Dearborn property were inspected during this EBS; however, more detailed inspections were conducted in areas which had historically or recently been used for industrial purposes and areas with identified former and/or existing storage tanks, oil/water separators, hazardous substance and petroleum product storage areas, and other potential environmental concerns.

2.2.3.2. Adjacent Property

Adjacent property findings were based on a review of federal and state environmental records for (1) property adjacent to the installation boundary (i.e., having a contiguous border with the installation boundary), (2) property within approximately 0.25 mile of the installation boundary with potential environmental concerns, and (3) properties located between 0.25 and 1.0 mile from the installation boundary with potential environmental concerns identified through the records search and/or visual site inspection.

Physical inspections are required by CERFA, which states that, "a physical inspection of property adjacent to the real property, to the extent permitted by landowners and operators of such property" is required. When access was permitted, the inspection was accomplished in accordance with DOD guidance. When access was not permitted or considered unnecessary, a

visual inspection of off-base properties was conducted from public roadways. The results of the survey for on-base and off-base properties are discussed in Chapters 3.0 and 4.0, respectively.

2.3. EBS FACTOR ASSESSMENT

Information gathered during data collection was organized according to whether it addressed the notification requirements identified in CERCLA §120(h) or reflected information that should be disclosed during property transfer. Disclosure information was further divided according to whether it pertained to the facility or to natural resources.

2.3.1. Property Categorization Factors

Property categorization factors are hazardous substances or conditions that, if present, may pose a threat to human health or the environment. These substances or conditions include, but are not limited to, hazardous substances (CERCLA §120[h][1-3]) as defined in CERCLA §101(14) and petroleum products including their derivatives (CERCLA §120[h][4]). Under CERCLA §120(h)(1), the U.S. Army is required to provide notice of the disposition of hazardous substances which have been stored for one year or more, or known to have been released or disposed on the property. The implementing guidance used for identifying hazardous substances is presented in 40 CFR 373. Hazardous substances are identified when they are:

- Stored in quantities greater than or equal to 1000 kg or the reportable quantity found in 40 CFR 302.4.
- Stored in quantities greater than or equal to one kg if the hazardous substances are also listed as acutely hazardous waste in 40 CFR 261.30.
- Released in quantities greater than or equal to the reportable quantity found in 40 CFR 302.40.

The storage, release, or disposal of pesticides, explosive ordnance waste, radiological substances, medical/biohazardous waste, or any other substance not listed in 40 CFR 302.4 that may pose a threat to human health, safety, or the environment were also assessed.

2.3.2. Facility Disclosure Factors

Environmental conditions that do not pose specific threat to human health, safety, or the environment, if managed and maintained properly, were identified and assessed. These

conditions or substances include: asbestos, lead-based paints, OSHA concerns such as workplace drinking water quality or indoor air quality, PCBs, radiological substances, or radon. The presence of facility disclosure factors does not require giving notification under CERCLA §120(h)(1), but is provided to satisfy real estate transaction requirements.

2.3.3. Natural Resource Disclosure Factors

Environmental conditions which reflect the presence of: unusual geologic activity and floodplains; and natural resources having potential value, such as minerals, farmland, or timber; threatened and endangered species and sensitive habitats; historic property, paleontological and prehistoric areas, and other cultural resources; and other such similar resources were identified and assessed. The presence of natural resource disclosure factors does not require giving notification under CERCLA §120(h)(1), but is provided to satisfy real-estate transaction requirements.

2.4. PROPERTY CATEGORIZATION

2.4.1. Categorization Process

Installation property is categorized based upon the ranking of its property categorization factors in accordance with current DOD (1996b) guidance:

Category 1: Areas where no release or disposal (including migration) has occurred. This area type is defined as follows: a geographically contiguous and mapable area where the results of investigations show that no hazardous substances or petroleum products were released into the environment, or disposed of on site property. A determination of this area cannot be made, however, unless a minimum level of information gathering and assessment has been completed. In accordance with Section 120(h)(4) of CERCLA as amended by CERFA, all such determinations (i.e., uncontaminated) of this area type must be made on the basis of a records search of the area in question and adjacent property; a review of the chain-of-title documents for the area, a review of aerial photographs of the area, a physical inspection of the area and adjacent property, and interviews with current and former employees regarding their knowledge of past and current activities on the property. These efforts are (or can be) functionally accomplished via an EBS (or properly scoped PA) of the property in question. If information gathered from these efforts indicates that hazardous substances or petroleum products have been released or disposed of in the area, the geographic location becomes one of the other area types.

Category 2: Areas where only release or disposal of petroleum products has occurred. This area type is defined as follows: a geographically contiguous and mapable area where the results of investigations show only that release or disposal of petroleum products has occurred. A determination of this area type must be made in accordance with the same requirements in Section 120(h)(4) of CERCLA, as listed in the above paragraph.

Category 3: Areas of contamination below action levels. This area type is defined as follows: a geographically contiguous and mapable area where environmental evidence demonstrates that hazardous substances have been released, but are present in quantities that require no response action to protect human health and the environment. Such quantities of hazardous substances can be below defensible detection limits, or can be above detection limits but below action levels. Below action levels means, in the absence of installation-specific risk-based criteria, that the concentration of any hazardous substance in any medium does not exceed chemical-specific ARARs. Designation of this area type also means that risk estimates completed for contamination do not do the following:

- Exceed 10^{-6} for any carcinogenic hazardous substance detected in any medium
- Result in a hazard quotient above 1 for any non-carcinogenic hazardous substance detected in any medium
- Exceed 10^{-6} for any carcinogenic hazardous substance, taken together, in any exposure pathway
- Result in a hazard index above 1 for all non-carcinogenic hazardous substances, taken together, in any exposure pathway
- Exceed 10^{-4} for any carcinogenic hazardous substance accumulated across all pathways
- Results in a hazard index above 1 for all non-carcinogenic hazardous substances accumulated across all pathways

Category 4: Areas where all remedial action has been taken. This area is defined as follows: a geographically contiguous and mapable area where all remedial actions necessary to protect human health and the environment have been taken. Type 4 areas include those areas in which an EBS documents evidence that hazardous substances are known to have been released on the property, but all remedial actions necessary to protect human health and the environment with respect to any hazardous substances remaining on the property have already been taken to meet

the provisions of CERCLA Section 120(h)(3). Clarification on the meaning of all remedial action has been taken is found in Section 120(h)(4)(B)(I) of CERCLA.

Category 5: Areas of known contamination with removal and/or remedial action under way. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources or releases of hazardous substances is confirmed based on the results of sampling and analysis in electronic databases and/or environmental restoration and compliance reports. By definition, this area type contains contaminant concentrations above action levels. Such concentrations do not meet the criteria that would allow a determination of a Type 3 area. Remedial systems for Type 5 areas are partially or entirely in place, but have not been fully demonstrated.

Category 6: Areas of known contamination where required response actions have not yet been implemented. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources or releases of hazardous substances is confirmed based on the results of sampling and analysis as contained in electronic databases and/or environmental restoration and compliance reports. This area type contains concentrations of contaminants above action levels. Such concentrations do not meet the criteria that would allow a determination of a Type 3 area. Additionally, required remedial actions have not been selected or implemented.

Category 7: Areas that are unevaluated or that require further evaluation. This area type is defined as follows: a geographically contiguous and mapable area where the presence of sources or releases of hazardous substances or petroleum products (including derivatives) is suspected, but not well characterized, based on the results of a properly scoped records search, chain of title review, aerial photography review, physical inspection, set of employee interviews, and possibly sampling and analysis. They do not, with certainty, fit any of the previous area types because evaluation efforts have not occurred, are ongoing, or are inconclusive.

Pursuant to USEPA guidance, and to fully implement Congress' intent to allow expeditious transfer of uncontaminated parcels of property for economic redevelopment, this EBS identifies as uncontaminated under CERCLA Section 120(h)(4), parcels of property where some limited quantity of hazardous substances or petroleum products were stored, released, or disposed of, or in cases where the available information indicates that the storage, release, or disposal was associated with activities conducted on the property would not be expected to pose a threat to human health or the environment. Examples, as provided in the USEPA guidance, include:

- **Stained Pavement.** There may be evidence of incidental releases of petroleum products on roadways and parking lots, but there is no indication that such releases pose a threat to human health or the environment.

- **Pesticides.** In the absence of evidence indicating a threat to human health or the environment (e.g., contamination of surface or groundwater, or proximity to sensitive habitats), the routine licensed application of pesticides should not disqualify a parcel under CERCLA Section 120(h)(4). If information concerning the use of the parcel indicates extensive application of pesticides, USEPA may determine that the particular circumstances require its concurrence be conditioned on further information concerning the nature and quantities of pesticides applied or the results of confirmatory sampling to assure the residual levels do not pose a threat to human health or the environment.

2.4.2. Transferability

Property in the first four categories would be suitable for transfer by deed. Property in Categories 5 and 6 would be unsuitable for transfer by deed unless: (1) all necessary remedial actions have been taken and the property is awaiting reclassification into one of the first four categories or (2) approval was obtained from the EPA or Governor (as appropriate). Property in Category 7 is unsuitable for transfer by deed. Leases would be considered on a case-by-case basis for properties within all seven categories.

2.5. LIMITATIONS

The findings presented in this EBS are subject to the following limitations:

- This report represents a prudent and reasonable evaluation of current environmental conditions at the Fort Dearborn USARC based on information available during the EBS. Currently undiscovered information, which may or may not exist, or results of future investigations, such as soil sampling, may become available and could modify findings in this report.

- Inspections of all facilities on the installation occurred while they were operational, including the ongoing use and storage of hazardous substances and petroleum products. As such, the environmental conditions are representative of the areas and facilities as they

existed at the time of the inspections. Because the Fort Dearborn USARC is a reserve facility, peak use occurs on training weekends. Inspections were not conducted during those peak use periods.

- The accuracy of information obtained from regulatory and private outside sources cannot be confirmed.

- Facility disclosure factors, including asbestos, lead-based paint, radon, drinking water quality, and air quality, are addressed to the extent allowed by available data. Limited or no sampling for these parameters has been performed at the Fort Dearborn USARC.

- Site-specific studies of natural resources disclosure factors were not performed or required during the EBS. Evaluation of these factors is based on correspondence with appropriate local, state and federal agencies and results of studies available for the O'Hare International Airport area.

- Site-specific subsurface investigations have not been performed at the Fort Dearborn USARC. Information pertaining to geologic and hydrogeologic conditions is based on information obtained during investigations conducted on the adjoining U.S. Air Force property.

3.0 FINDINGS FOR BASE PROPERTY

3.1. HISTORY AND CURRENT USAGE

Fort Dearborn originally consisted of 9.85 acres of undeveloped land acquired by the U.S. Army from the U.S. Air Force in 1956. Subsequently in 1961, an additional 6.63 acres of land were acquired from the U.S. Air Force and two buildings were constructed on the property, a Reserve Center Building and the Organizational Maintenance Shop (OMS). The Reserve Center Building was originally constructed for use as an administration office and drill hall and is currently used for this purpose. It is a multiple level irregular shaped building consisting of one, one and one-half, and two story rectangular building sections. The OMS Building was constructed for use as a vehicle maintenance facility and has been used for that purpose since the time of its construction. It is a one story rectangular building with concrete block walls and a brick façade. The parcel of property located between the Reserve Center Building and the OMS Building has historically been used for military and personnel owned vehicle (POV) parking. Remaining portions of the property have remained undeveloped since the time the property was acquired by the U.S. Army.

The Fort Dearborn USARC is managed by the 88th Regional Support Command, Ft Snelling, Minnesota. Units currently assigned to the facility are the 327th Military Police Battalion, the 814th Military Police Company, and the 822nd Military Police Company.

JNA Services, Inc., Wood Dale, Illinois (Appendix C), conducted a 50-year title search for the Fort Dearborn property as part of this EBS. The title search is based upon the current property identification number (PIN #09-32-403-006). The title search shows ownership of the property from 1873 to the present. Prior to 1944, two different individuals privately owned the land. In 1944, the land was granted to the United States government. No environmental liens were recorded for the property and information does not indicate any prior property ownership by an industrial company.

3.2. ENVIRONMENTAL SETTING

3.2.1. Topography and Drainage Patterns

3.2.1.1. Topography

Topography at the Fort Dearborn USARC is relatively flat with a total topographic relief of approximately 10 feet. The ground surface slopes gently from the southwest to the northeast.

The highest point on the property (approximately 645 feet mean sea level) occurs along the southwest corner of the property near the OMS Building. The lowest point (approximately 635 feet mean seal level) occurs at the northwest corner of the property at a drainage ditch. Adjoining lands range from low, flat plains to the east to a poorly drained hilly belt to the west.

3.2.1.2. Surface Drainage

Surface drainage from the Fort Dearborn property is intercepted by a system of open drainage ditches and catch basins, which in turn discharge into Willow Creek. Willow Creek flows eastward and joins the Des Plaines River near Illinois Highway 72. Willow Creek is a 6.1-mile long modified earthen channel that also receives runoff from residential and commercial properties throughout its length.

3.2.2. Groundwater, Hydrology, and Geology

3.2.2.1. Physiography

The Fort Dearborn USARC lies in the eastern Lake Section of the glaciated Central Lowland Province, an area consisting of flat to low-lying, hilly terrain. Drainage in undeveloped areas is poor; however, storm sewers in urbanized areas increase the runoff of stormwater.

3.2.2.2. Stratigraphy

Information available from subsurface investigations completed on the adjoining U.S. Air Force property indicates that regionally the area is underlain by unconsolidated glacial deposits, layered sedimentary rock units, and Precambrian age crystalline rocks, in increasing order of age. Principal stratigraphic units found in the region are described below.

Dense crystalline rocks of Precambrian age form the base upon which younger geologic units were deposited. The Precambrian rocks are likely found at depths in excess of 4,000 feet at the Fort Dearborn USARC. A layered sequence of gently eastward dipping sedimentary rocks of Cambrian, Ordovician and Silurian age overlie the Precambrian basement rock. These units are composed mainly of interbedded sandstones and dolomites and likely exceed 3,000 feet in total thickness in the vicinity of the Fort Dearborn USARC. Throughout the region, Silurian age dolomite is the uppermost bedrock unit. This unit is mostly dense dolomite with many joints and solution channels and is locally approximately 135 feet in thickness.

Unconsolidated glacial deposits of Quaternary age overlie the bedrock and are approximately 70 to 85 feet in thickness in the vicinity of the Fort Dearborn USARC. These deposits consist of stratified clay, sand, and gravel and are primarily glacial tills and associated sediments of Pleistocene age. Surficial soils likely consist of artificial fill and/or soils disturbed by construction, similarly to those found during investigations on the adjoining U.S. Air Force property.

3.2.2.3. Groundwater Hydrology

There are three major aquifer systems in the vicinity of the Fort Dearborn USARC: sand and gravel deposits of the glacial drift, where present; shallow dolomite of Silurian age; and Cambrian-Ordovician sandstones.

The 70 to 85-foot thick glacial drift unit is the uppermost water bearing formation in the vicinity of the Fort Dearborn USARC. Information available from investigations completed on the adjoining U.S. Air Force property indicates that the glacial drift contains little free groundwater due to the predominance of clay-rich soils and absence of significant water bearing strata. Although the quantity of water available in the drift is limited, the drift appears saturated below shallow depths. This is suggested by the observation that many borings completed to depths between 10 and 20 feet eventually contain water, even when no identifiable groundwater was observed during drilling.

Available data on the hydraulic properties of the drift soil indicate relatively low permeabilities. Gradation test data from borings completed on the adjoining U.S. Air Force property indicate that the clayey till is comprised of an average thirty-four percent clay and is classified as silty clay (CL) using the Unified Soil Classification System (USCS). For such soils, a coefficient of permeability of 10^{-9} to 10^{-6} cm/sec is expected based on the textural soil type according to Fetter (1988).

The glacial drift is recharged locally from precipitation and is hydrologically connected in the Chicago area to the underlying Silurian dolomite aquifer (Engineering Science, 1983). Groundwater flow patterns and water quality in the glacial drift aquifer is often variable and controlled by the presence of discontinuous sand lenses, disturbed soil conditions resulting from construction activities, and infiltration of precipitation. Information on flow direction and water quality at or in the vicinity of the Fort Dearborn property was not available through the document review.

Underlying the glacial drift is the Silurian dolomite aquifer. The Silurian dolomite aquifer is locally approximately 135 feet thick and contains water that has a naturally high concentration of dissolved solids due to the dissolution of minerals in the rock (Groundwater and Environmental Services, 1992). Groundwater elevations and flow directions in this shallow dolomite are not known in the vicinity of the Fort Dearborn USARC, but regionally are toward Lake Michigan, rivers, and other major water bodies.

The glacial drift and shallow dolomite aquifers are separated from the underlying aquifers by 230 feet of "impermeable" Maquoketa shale. The underlying Ordovician-Cambrian age aquifer system comprises several water bearing dolomite and sandstone strata and is the aquifer most frequently used for water supply (Groundwater and Environmental Services, 1992). The underlying Mt. Simon sandstone is the fourth major aquifer in the vicinity of the Fort Dearborn USARC. Regionally, the aquifer is approximately 2,000 feet thick, is found at a depth of approximately 2,000 feet, and is used as a water supply (Groundwater and Environmental Services, 1992).

3.2.3. Utilities

3.2.3.1. Water Supply

The Fort Dearborn USARC receives its water supply from Lake Michigan via the City of Chicago, Department of Water (DOW). Water produced meets the highest standards imposed by the USEPA through the Safe Drinking Water Act (SDWA) and associated state and federal regulations.

3.2.3.2. Wastewater Systems

The Fort Dearborn USARC has two primary wastewater systems; stormwater and sanitary. The USARC provides no biological pretreatment for sanitary wastewater prior to its discharge. However, one oil/water separator system is located on the property near the Reserve Center Building and was used to physically pretreat wastewater generated during vehicle washing activities prior to its introduction into the stormwater sewer system. Information obtained during this EBS indicates that vehicle-washing operations have ceased at the installation and the oil/water separator is no longer in use. The USARC has no other wastewater treatment systems.

Treatment of sanitary wastewater is provided by the Metropolitan Water Reclamation District of Greater Chicago (MWRD), and has provided the treatment of sanitary sewage for the Fort Dearborn property since the installation began operations.

3.2.3.3. Solid Waste Disposal

Non-hazardous solid waste removal and disposal for the Fort Dearborn USARC is provided by a private contractor. The current contractor is Waste Management Northwest, Franklin Park, Illinois. Non-hazardous solid waste generated by installation activities is collected in steel dumpsters ranging in size from three to twenty cubic yards. These dumpsters are emptied mechanically by specially equipped trucks twice a week for most dumpsters. Solid waste is then transported by truck to an off-base landfill. The USARC generates about 2080 cubic yards of waste annually.

3.2.3.4. Natural Gas

Supply, metering, and regulation of incoming natural gas to the Fort Dearborn USARC is provided by Northern Illinois Gas Company. Within the Reserve Center Building is one natural gas boiler with a 1.75 MMBtu/hr rating and three natural gas heaters, each with a 0.031 MMBtu/hr rating.

3.2.3.5. Electricity

Electrical power for the Fort Dearborn USARC is supplied by Commonwealth Edison Company (ComEd). The service provided to the installation is overhead and consists of two separate feeds, one for the Reserve Center Building and one for the OMS Building. Each feed has three pole mounted transformers, owned by ComEd.

3.3. PROPERTY CATEGORIZATION FACTOR FINDINGS

3.3.1. Hazardous Substances

Management of hazardous substances at the Fort Dearborn USARC is the responsibility of the 88th Regional Support Command - Environmental Division. The program is managed in accordance with the provisions identified in CERCLA and EPCRA (Emergency Planning and Community Right-to-Know Act), 42 USC §11001; the Pollution Prevention Act, 42 USC §13101; and the Toxic Substances Control Act (TSCA), 15 USC §2601. The hazardous waste program is managed in accordance with CERCLA, 42 USC §9601; RCRA, 42 USC §6901; the Transportation Safety Act, 49 USC §1801-1819; and others as applicable. The materials identified in this section are based upon information obtained from available records.

3.3.1.1. Hazardous Substances and Petroleum Products

Limited quantities of hazardous materials and petroleum products are stored and used at Fort Dearborn in connection with vehicle maintenance activities. According to a recent, and the only available hazardous materials inventory for the Fort Dearborn USARC (Department of the Army, 1999b), several materials related to vehicle maintenance are stored in the OMS Building, including antifreeze, brake fluid, canvas coating, alkyd enamel, grease, motor oil, and spray paint. The inventory indicated the following quantities of these product: antifreeze (2 gallons), brake fluid (2 gallons), canvas coating (5 gallons), alkyd enamel (3 quarts), grease 4 (gallons), motor oil (5 gallons), and spray paint (5 pints). Although the inventory was not originally developed to quantify the hazardous substances stored or to provide the duration of the storage information provided by the 88th Regional Support Command – Environmental Division indicates that there would be no significant quantities of hazardous substances stored at the facility for a period of a year or more due to the minimal levels of vehicle maintenance activities performed at the facility.

Hazardous materials and petroleum products are currently stored in one storage area, referred to herein as STM-1, located inside the central portion of the OMS Building (Figure 4-2) and are stored inside flammable metal storage cabinets. Historically, hazardous materials and petroleum products were stored in this area inside wall lockers (Weston, 1990). The USATHAMA Waste Site Report (Weston, 1990) indicated the storage of paint, paint thinner, aerosol, and lubricants, totaling 30 gallons in quantity. No evidence of spills or releases at STM-1 was previously noted in the USATHAMA Waste Site Report (Weston, 1990) or during the April 1999 visual site inspection performed during this EBS.

3.3.1.2. Hazardous Wastes and Waste Petroleum Products

Based on available information obtained during this EBS, used lubricating oil, waste antifreeze, and waste combustible liquid (parts cleaner liquids), are the primary wastes generated at the Fort Dearborn USARC since 1993. These wastes are generated from vehicle maintenance operations and are picked up, transported, and disposed off-base by a private contractor, Safety Kleen, Inc. These wastes are currently stored at one waste accumulation area, referred to herein as STW-1, located west of the OMS Building (Figure 4-2). Flammable waste materials are stored inside a metal flammable storage building equipped with a secondary containment. Other waste materials, including lubricating oils, brake fluid, and antifreeze are stored in 55-gallon drums inside three fiberglass storage units equipped with spill containment. No evidence of concerns associated with waste storage in this area was identified during this EBS.

Two additional waste storage areas were identified in the USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC. These areas include a battery storage area and a drum storage area, each described below.

According to Weston (1990), lead-acid batteries were stored on the concrete floor in the west portion of the OMS Building (Figure 4-2) in an area referred to herein as STW-2. The report indicated that no battery maintenance operations take place at the Fort Dearborn USARC and spent batteries are sent to Ft Sheridan. No evidence of contamination or other concerns in the area were noted. During the April 1999 visual site inspection, two spent batteries were observed in the area, pending shipment off-site. No evidence of contamination or other concerns regarding the battery storage area were identified during this EBS.

Weston (1990) noted the presence of a drum storage area, referred to herein as STW-3, located near the southwest corner of the OMS Building (Figure 4-2). Reportedly, waste oil was stored outdoors in this area in 55-gallon drums. No concerns regarding the storage area or evidence of contamination were indicated in the 1990 USATHAMA Waste Site Report. During the April 1999 visual site inspection, no evidence of waste storage was observed in the area of the previously reported drum storage area. Furthermore, no evidence of contamination or other concerns associated with this area was found during this EBS.

3.3.2. Storage Tanks

Based on the methodology discussed in Section 2.2, there is no evidence of the current or historical presence of underground storage tanks on the Fort Dearborn property. According to the 88th Regional Support Command – Environmental Division, vehicle fueling stations at Army Reserve facilities are uncommon and are generally limited to larger facilities (i.e., those facilities with greater than approximately 1,000 vehicles). For the Fort Dearborn USARC, vehicle refueling is performed off-site at either one of these larger facilities or at retail service stations.

One former aboveground storage tank (AST), identified herein as AST-1, was located near the southwest corner of the OMS Building (Figure 4-2). This former AST was reported by Weston (1990) as a 300-gallon capacity tank used to contain waste oil, waste paint, and paint thinner. Although the exact date of removal of the tank is not known, the tank was apparently removed between 1990 and 1998. Weston (1990) also noted that the tank was in good condition with no visible leaks. During the April 1999 visual site inspection performed during this EBS, no obvious evidence of contamination was observed in the area of the former AST.

3.3.3. Oil/Water Separators

One oil/water separator (OWS), identified herein as OWS-1, is located near the northwest corner of the Reserve Center Building (Figure 4-2). According to a 1998 Oil/Water Separator Engineering Study (Harza, 1998a) conducted for the Fort Dearborn USARC, the OWS is constructed of concrete, has interior dimensions of 4'-0" wide by 8'-0" long and a total depth of approximately 8'-0", and discharges to the sanitary sewer system. Harza (1998) also noted that the OWS is currently not in use and that the facility has not had any spills that entered the OWS system. Results of the interior inspection and cleaning of the OWS in April 1998 indicate that the OWS was generally in good condition, except groundwater was noted seeping through the walls near the inlet and outlet pipes. The oil/water separator, and associated vehicle wash rack, was identified in the USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC. The report noted that vehicle wash rack was constructed of concrete and was curbed to contain the washwater. No evidence of contamination or other concerns associated with the oil/water separator or associated wash rack was noted in the report.

3.3.4. Spills

Based on the methodology discussed in Section 2.2, there is no evidence of the occurrence of petroleum spills exceeding the reportable quantity (RQ) amount listed in Title 41, Illinois Administrative Code, Part 170. Visual evidence of several incidental petroleum spills was observed on the paved parking area between the Reserve Center Building and the OMS Building during the April 1999 inspection.

There is no evidence to indicate that any spills of an RQ amount (reportable quantity) have occurred for any hazardous or extremely hazardous substances listed in 40 CFR Part 302.4 and 40 CFR 355 - Appendix A, respectively.

3.3.5. Pesticides

Based on the methodology discussed in Section 2.2, there is no evidence of the current or historical storage of pesticides or the current application of pesticides on the Fort Dearborn property. According to a one-page, undated, Department of the Army document entitled "Fort Dearborn USAR Center, 6540 N. Mannheim Rd", pesticides and herbicides were noted as being administered by a private contractor. However, this document did not provide supportive information pertaining to the contractor, type of chemicals, method of treatment, location,

application dates, and approximate spatial area treated. No other evidence of the historical application of pesticides was found during this EBS.

3.3.6. Ordnance

Two locations at the Fort Dearborn USARC were identified where ordnance has been stored or routinely used for training. These areas include a former indoor small arms firing range and an arms storage room.

A former indoor small arms firing range, identified herein as ORD-1, is located on the first floor in the Reserve Center Building (Figure 4-2). The firing range was identified in the USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC as being closed since at least 1979 and reportedly has no filter on the ventilation system. Six sand samples and four wipe samples were collected in the firing range by a representative of the Occupational Safety and Health Administration (OSHA) on June 28, 1993 and tested for lead content. The sample results did not indicate the presence of lead in any of the samples collected. No evidence of historical air quality testing or indications that lead abatement efforts have been initiated or completed at the former range, including removal of the ceiling tile and disposal of the lead in the lead trap, were found during this EBS. Other concerns at this site also relate to the possible presence of lead in soil near the former firing range vent.

Infrequently, small caliber munitions are reportedly stored in the arms room located in the central portion of the Reserve Center Building, identified herein as ORD-2 (Figure 4-2). Based on information obtained during this EBS, there is no evidence of any concerns associated with the current or historical storage of ordnance in this area or any evidence of the disposal of unexploded ordnance on the Fort Dearborn property.

3.3.7. Medical/Biohazardous Waste

Biological materials are regulated by Title 35, Subtitle M of the Illinois Administrative Code (IAC). This regulation applies to all persons who generate, transport, treat, store, and dispose of potentially infectious medical waste.

Based on the methodology discussed in Section 2.2, there is no evidence of the current or historical presence of medical, dental, or veterinary clinics at the Fort Dearborn USARC. In the case of a medical emergency, the Rosemont Fire Department is summoned and emergency treatment is provided at an off-base hospital.

3.3.8. "Other" Factors

Three property categorization factors classified as "Other" were identified on the Fort Dearborn property. These factors include a former maintenance pit, a former shop sink, and a former vehicle wash rack. Each of these property categorization factors were identified in the USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC.

A former maintenance pit, referred to herein as OTH-1, is a concrete-lined pit located inside the west portion of the OMS Building (Figure 4-2) and has been closed (i.e., filled and capped with concrete since at least 1987. According to Weston (1990), the pit contained no drains, was covered, and was scheduled to be filled in. During the April 1999 visual site inspection, the maintenance pit was observed to be covered with concrete. Based on available information obtained during this EBS, there is no evidence that the pit had been inspected to determine its integrity or to assess the possible presence of spills.

A former shop sink, referred to herein as OTH-2, is described as an improvised sink installed in 1989 which drained to a porous, buried 55 gallon drum inside the western portion of the OMS Building (Figure 4-2). No other information regarding the shop sink was provided in the 1990 Weston USATHAMA Waste Site Report. During the April 1999 visual site inspection, the sink was not observed but an open drain was observed in the area of the former sink. No additional information regarding the former shop sink was found during this EBS.

A former vehicle wash rack, referred to herein as OTH-3, is described as a concrete wash rack located near the southwest corner of the OMS Building (Figure 4-2). The wash rack was reported to drain through a shallow hand dug trench and was noted to be included under a facility NPDES permit. The wash rack is currently not in use and has apparently not been used since cancellation of the facility's NPDES permit in January 1978. During the April 1999 visual site inspection, the concrete surface of the former wash rack was observed to be in poor condition with numerous cracks and is reportedly no longer used.

3.4. FACILITY DISCLOSURE FACTOR FINDINGS

3.4.1. Asbestos

Renovation or demolition of buildings with asbestos-containing materials (ACM) has the potential for releasing asbestos fibers into the air. Asbestos fibers could be released due to disturbance or damage, from various building materials, such as pipe and boiler insulation,

acoustical ceilings, sprayed on fire proofing, and other materials used for sound proofing or insulation.

There are two primary categories that describe ACM. Friable ACM is defined as any material containing more than 1 percent asbestos (as determined using the method specified in 40 CFR 763, Subpart F, Appendix A, Polarized Light Microscopy) that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. Non-friable ACM are those materials that contain more than 1 percent asbestos, but do not meet the rest of the criteria for friable ACM.

ACM remediation is regulated by USEPA (40 CFR Part 61) and the Occupational Safety and Health Administration (29 CFR Part 1910). The State of Illinois also has regulations pertaining to ACM remediation (77 IAC Chapter I, Subchapter p, Part 855). Asbestos fiber emissions into the ambient air are regulated in accordance with Section 112 of the Clean Air Act, which established the National Emissions Standards for Hazardous Air Pollutants (NESHAP). The NESHAP regulations address the demolition or renovation of buildings with ACM. The Toxic Substances Control Act (TSCA) and the Asbestos Hazard Emergency Response Act (AHERA) provide the regulatory basis for handling ACM in kindergarten through 12th grade school buildings. AHERA and OSHA regulations cover worker protection for employees who work around or remediate ACM.

The IEPA, Division of Air Pollution Control, Springfield, Illinois provides review of asbestos removal projects and transportation of asbestos wastes generated within Illinois.

According to a one-page, 1994 Asbestos Analysis Report from Aires, Inc., asbestos-containing material was identified on the 9"x 9" floor tiles and mastic in Rooms 212 and 213. This report also identified the 1'x 1' ceiling tile from Rooms 141/142 as not containing asbestos.

The USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC refers to a 1988-89 asbestos survey of the Fort Dearborn property. A copy of this survey was requested from the 88th Regional Support Command – Environmental Division. The 88th Regional Support Command responded that, based on a review of all available data at their headquarters, there are no reports available for an asbestos survey at the Fort Dearborn USARC.

During the visual site inspection, the following suspected ACM building materials were observed in the Reserve Center Building: 9"x 9" floor tiles, 2'x 4' white ceiling tile, 1'x 1' white ceiling tiles, 1'x 1' acoustical ceiling tiles in Room 100 and in the former firing range. Pipe and elbow insulation was observed throughout the facility, and pipe, elbow, and boiler insulation were observed in the boiler room. All the observed suspected ACM building material appear to be in good condition.

No obvious evidence of suspect ACM material was observed in the OMS Building. However, according to the USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn property, vehicle brake changing operations were conducted in the OMS Building. The report indicated that one brake job was performed annually and used brake pads were sent off-base for recycling. According to Weston (1990), no special procedures were used to contain asbestos fibers during brake work. During the April 1999 visual site inspection, no evidence of current brake changing operations was observed.

3.4.2. Lead-Based Paint

The following regulations pertain to lead-based paint:

- 29 CFR 1926.62, Lead Exposure in Construction. Establishes protective clothing and respiratory protection for workers involved in lead-based paint activities.

- 40 CFR 262, Standards Applicable to Generators of Hazardous Waste. Governs the appropriate procedures for handling lead waste generated during abatement and demolition projects.

- Illinois Administrative Code Title 77, Chapter I, Subchapter p, Part 845, Lead Poisoning Prevention Code. Governs licensing of persons involved in lead inspection activities, safety guidelines for workers removing or covering leaded soils and conducting lead-based abatement and permissible limits of lead in and about dwellings.

Lead is a heavy, ductile metal commonly in association with lead gasoline, as well as oxides, salts, or as metallic lead. Human exposure to lead has been determined to be an adverse health risk by agencies such as OSHA and USEPA. Sources of exposures to lead are through paint, dust, and soil. Blood lead levels in excess of 30 micrograms per deciliter are of concern in adults and can cause various ailments according to the Centers for Disease Control.

Waste-containing levels of lead exceeding the Total Threshold Limit Concentration (TTLC) of 1,300 milligrams per kilogram or the Soluble Threshold Limit Concentration of 5.0 milligrams per liter are defined as hazardous under 40 CFR 261. If a waste is classified as hazardous, disposal must take place in accordance with USEPA and state hazardous waste rules. The federal OSHA has established a general industry Permissible Exposure Limit (PEL) standard of

50 micrograms per cubic meter ($\mu g/m^3$) for workers and a more lenient 200 $\mu g/m^3$ in the construction field.

In 1973, the Consumer Product Safety Commission (CPSC) established a maximum lead content in paint of 0.5% by weight in a dry film of paint newly applied; in 1978, the CPSC lowered the allowable lead level in paint to 0.06%. In September 1989, USEPA established a cleanup criterion for lead in soil of 500 to 1,000 ppm total lead, when the possibility of child contact exists. Currently, the USEPA has specific guidelines for the cleanup of lead in soils based on the characteristics of individual sites.

Based upon available information obtained during this EBS, no study to assess the presence of lead-based paint or potential associated soil contamination has been performed or is planned at the Fort Dearborn USARC. However, based on the age of the facilities and observations made during the April 1999 visual site inspection, it is likely lead-based paint is present in on base structures.

3.4.3. Drinking Water Quality

The USEPA final National Primary Drinking Water Regulations (40 CFR Parts 141 and 142) establish standards for drinking water quality.

The Fort Dearborn USARC obtains its drinking water from the City of Chicago Department of Water and no treatment is provided by the Fort Dearborn facility. Based on available information obtained during this EBS, no concerns associated with the drinking water supply or water quality were found and no sampling of the facility drinking water has been conducted.

3.4.4. Indoor Air Quality

Based on available information obtained during this EBS, no workplaces at the Fort Dearborn USARC have historically or are currently being studied with regard to indoor air quality issues and no complaints regarding indoor air quality have been filed with the 88th Regional Support Command – Environmental Division.

3.4.5. Polychlorinated Biphenyls (PCBs)

Commercial PCBs are man-made industrial compounds produced by chlorination of biphenyls. PCBs persist in the environment, accumulate in organisms, and concentrate in the food chain.

PCBs are used in electrical equipment, primarily in capacitors and transformers, because they are electrically nonconductive and stable at high temperatures.

The disposal of PCBs is regulated under TSCA, which banned the manufacture and distribution of PCBs, except those used in enclosed systems. By federal definition, PCB equipment contains PCB concentrations of 500 parts per million (ppm) or more, whereas PCB-contaminated equipment contains PCB concentrations equal to or greater than 50 ppm, but less than 500 ppm. The USEPA, under TSCA, regulates the removal and disposal of all sources of PCBs containing 50 ppm or more; the regulations are more stringent for PCB equipment than for PCB-contaminated equipment.

Results of the April 1999 visual site inspection performed during this EBS identified potential PCB-containing electric light ballasts located throughout the installation. Based on available information obtained during this EBS, there is no indication that any testing of light ballasts at the Fort Dearborn USARC has been conducted for the presence of PCBs. No obvious physical evidence of leaks from the ballast was observed during the April 1999 visual site inspection.

Two sets of three-pole mounted transformers were observed on the Fort Dearborn property during the April 1999 visual site inspection. One set of three-pole mounted transformers was observed outside the south end of the Reserve Center Building. A second set of three-pole mounted transformers was observed outside the southwest corner of the OMS Building. All six transformers appeared to be in good condition with no obvious evidence of leakage or staining. The USATHAMA Waste Site Report (Weston, 1990) prepared for the Fort Dearborn USARC indicates that the three-pole mounted transformers on the south side of the Reserve Center Building were reportedly installed in 1960 and may contain PCBs. No other concerns associated with the transformers were noted in the report.

3.4.6. Radiological Substances

During the April 1999 visual site inspection, several radioactive material warning labels were observed in the caging area, adjacent to the second floor men's washroom, inside the Reserve Center Building. According to available information, the only radiological sources used at the Fort Dearborn USARC are those required for calibration of radiac instrumentation. An inventory of radioactive sources was not available during the document review.

A radiological closeout survey of the Fort Dearborn property was performed as part of this EBS. Results are presented in Appendix E, which did not indicate evidence of contamination.

3.4.7. Radon

Radon is a naturally occurring, colorless and odorless radioactive gas that is produced by radioactive decay of naturally occurring uranium. As Uranium decays to radium, a by-product of that process is radon gas. Radon is found in high concentration in rocks containing uranium, such as granite, shale, phosphate, and pitchblende. Atmospheric radon is naturally diluted to insignificant concentrations. Radon that is present in soil can enter a building through small spaces and openings, accumulating in enclosed areas, such as basements. The cancer risk caused by exposure, through the inhalation of radon, is currently a topic of concern.

There are no federal, state or local standards for radon exposure at this time. The 1992 USEPA pamphlet "A Citizen's Guide to Radon" offers advice to persons concerned about radon in their homes. For residential structures, levels above 4 picocuries per liter (pC/l) using a charcoal canister test should lead to additional screening.

Based on information obtained during this EBS, limited radon testing was performed at Fort Dearborn between February and June of 1990. According to an undated, one-page, Department of the Army document entitled "Reserve Center Radon Levels", radon testing was performed in six rooms in the Reserve Center Building. The results ranged from 0.60 to 2.00, but did not specifically note the units of measurement. The report noted under the "Action" column, that none was required. The levels reported do not appear to be a cause for concern, assuming that the results are expressed in picocuries per liter (pc/l). A complete copy of the radon test report was not available during the document review.

According to a 1990 report issued by the State of Illinois Department of Nuclear Safety, the probability of radon concentrations greater than 4 pc/l is estimated to be less than 25% in Cook County. Therefore, there is a low potential for radon concern at the Fort Dearborn USARC.

3.5. NATURAL RESOURCE DISCLOSURE FACTOR FINDINGS

3.5.1. Cultural Resources

3.5.1.1. Prehistoric Resources

Four independent organizations were contacted by letter during this EBS to determine whether prehistoric resources are present or may exist on the USARC property. These were the Chicago Historical Society, the National Park Service of the U. S. Department of Interior, the Illinois Historic Preservation Agency, and the Illinois State Museum. The Chicago Historical Society

verbally responded that they do not conduct independent research for historical surveys. The U.S. Department of Interior National Park Service responded that they are not aware whether any prehistoric, historic, or traditional (Native American) paleontological resources are present in the area or do/could exist on the Fort Dearborn property and concluded by stating that they do not have management responsibilities for the USARC or neighboring properties. According to the Illinois Historic Preservation Agency, there are no historic, architectural, or archeological sites at the Fort Dearborn property. The Illinois State Museum responded that according to the state's archeological files, the Fort Dearborn USARC has not been the subject of a cultural resources assessment and the only recorded sites in the area located along the DesPlaines River to the east of the property.

An Existing Conditions Environmental Assessment Report prepared by Landrum & Brown (1995) for the O'Hare International Airport area, including the Fort Dearborn USARC, did not identify any prehistoric resources on the USARC property. The following information on prehistoric resources of the general area is adapted from the Landrum & Brown (1995) report.

Humans have occupied the Chicago region for more than 12,000 years spanning a period during which the environment of the region has changed considerably since the end of the Pleistocene or "Ice Age". Each major environmental change was accompanied by cultural changes as the people adapted to different animals, plants, rainfall patterns, and water supply.

Prehistoric cultures active in the Chicago area were Native American. The Paleo-Indians (10,000 to 8,000 BC), had crossed the Bering Land Bridge from Asia, hunted mammoth, mastodon, and other large animals. These people were nomadic and their presence in the region is known from scattered finds of large fluted projectile points.

The Archaic cultures (8,000 - 600 BC) adapted to the changing environment following the end of the "Ice Age". These people initially were semi-nomadic, probably operating from central base camps and striking out to hunt deer, elk and bison and also to gather plant foods when seasonally available. Villages, burial mounds and the use of pottery appeared in the region during the Late Archaic period. The village sites were generally located along major rivers and streams.

The Woodland cultures (600 BC - 1000 AD) demonstrated a shift from hunting and gathering to agricultural subsistence with the presence of large villages and seasonal camps. Prairie, forest and wetland relationships remained stable until approximately 900 AD, when the climate began to cool and deciduous forest cover expanded. At this time, the Mississippian culture (900 AD - 1640 AD) developed. These groups of people were influenced by Mexican cultures such as the Mayan and Aztec. Towns with pyramidal mounds were built, such as the Cahokia Site near St. Louis. Distinctive pottery and ornaments were crafted which reflected contact with Central

America. A climatic change at about 1200 AD caused the large towns to break down into smaller groups called the Upper Mississippian or Oneota. These groups were dependent upon seasonal horticultural foodstuffs.

3.5.1.2. Historic Properties

As authorized under the National Historic Preservation Act of 1966, as amended (16 USC §470), the National Register of Historic Places is part of a national program to identify, evaluate, and protect historic and archeological resource. Criteria for including a site on the National Register of Historic Places are:

- Sites, districts, or objects of historical, archaeological, or cultural significance, associated with events that made significant contributions to our history.
- Sites, districts, or objects of historical, archaeological, or cultural significance, associated with the lives of persons significant in our past.
- Sites, districts, or objects of historical, archaeological, or cultural significance, that are of a particular type, period, or method of construction that possess high artistic value.
- Sites, districts, or objects of historical, archaeological, or cultural significance, that provide important information about history or prehistory.

To qualify as a property of local significance, it must be designated by ordinance as a local landmark by a certified jurisdiction (as designated by the State Historic Preservation Office).

The Existing Conditions Environmental Assessment Report (Landrum & Brown, 1995) prepared for the O'Hare International Airport area included identification of historic properties and did not identify any historic properties on the Fort Dearborn property.

A Cultural Resources Survey Report (Department of the Army, 1998b) prepared for forty-one USARC facilities, including Fort Dearborn, indicated that the two concrete block buildings on the property were constructed in 1961 and exhibited no architectural character or merit. Therefore, the report concluded that the Fort Dearborn USARC did not meet the qualifications for nomination to the National Register of Historic Places.

Four independent organizations were contacted by letter during this EBS to determine whether historic properties are present or may exist on the Fort Dearborn property. These were the Chicago Historical Society, the Commission on Chicago Landmarks, the U.S. Department of Interior National Park Service, and the Illinois Historic Preservation Agency. The Chicago Historical Society verbally responded that they do not conduct independent research for

historical surveys. The Commission on Chicago Landmarks responded that there are no historic or architecturally significant sites within the outlined project area. The U.S. Department of Interior National Park Service responded that they are not aware whether any prehistoric, historic, or traditional (Native American) paleontological resources are present in the area or do/could exist on the Fort Dearborn property and concluded by stating that they do not have management responsibilities for the USARC or neighboring properties. According to the Illinois Historic Preservation Agency, there are no historic, architectural, or archeological sites at the Fort Dearborn property.

3.5.1.3. Traditional Resources

The Existing Conditions Environmental Assessment Report (Landrum & Brown, 1995) for the O'Hare International Airport area included examination of traditional resources and did not identify any traditional resources on the Fort Dearborn property. Landrum & Brown (1995) noted that the historic period between 1640 and 1850 AD was marked by European contact with Native American groups. Trade goods such as iron became widely used within the native cultural contexts. Disease ultimately decimated the population. Remnant groups such as the Sauk and Fox roamed throughout the region in small bands. After the Black Hawk War of 1832, most of the native peoples were moved westward. By 1850, native peoples no longer lived in the region, having been displaced by Euro-Americans.

Four independent organizations also were contacted by letter during this EBS to determine whether traditional resources are present or may exist on the Fort Dearborn property. These include the Chicago Historical Society, the National Park Service of the U.S. Department of Interior, the Illinois Historic Preservation Agency, and the Illinois State Museum. The Chicago Historical Society verbally responded that they do not conduct independent research for historical surveys. The U.S. Department of Interior National Park Service responded that they are not aware whether any prehistoric, historic, or traditional (Native American) paleontological resources are present in the area or do/could exist on the Fort Dearborn property and concluded by stating that they do not have management responsibilities for the USARC or neighboring properties. According to the Illinois Historic Preservation Agency, there are no historic, architectural, or archeological sites at the Fort Dearborn property. The Illinois State Museum responded that according to the state's archeological files, the Fort Dearborn USARC has not been the subject of a cultural resources assessment and the only recorded sites in the area located along the DesPlaines River to the east of the property.

3.5.1.4. Paleontological Resources

The Geology Department of the Field Museum of Natural History in Chicago was contacted by telephone to discuss the potential for paleontological resources to exist on the Fort Dearborn property. Information obtained from museum staff indicates the unconsolidated sediments in the Chicago area consist of glacial till which has a potential to contain Ice Age fossils. However, the potential for such fossils to exist on the Fort Dearborn property is reasonably low and the probability of their existence is no more likely than other areas in the region.

Three other organizations were contacted by letter during this EBS to determine whether paleontological resources are present or may exist on the Fort Dearborn property. These were the Chicago Historical Society, the National Park Service of the U.S. Department of Interior, and the Illinois Historic Preservation Agency. The Chicago Historical Society verbally responded that they do not conduct independent research for historical surveys. The U.S. Department of Interior National Park Service responded that they are not aware whether any prehistoric, historic, or traditional (Native American) paleontological resources are present in the area or do/could exist on the Fort Dearborn property and concluded by stating that they do not have management responsibilities for the USARC or neighboring properties. According to the Illinois Historic Preservation Agency, there are no historic, architectural, or archeological sites at the Fort Dearborn property.

3.5.2. Biological Resources

3.5.2.1. Threatened and Endangered Species

This section identifies the presence of federal or state listed or proposed threatened and endangered species that may be present at or in the area of the Fort Dearborn USARC. The term "endangered" is used if the entire species is in danger of extinction. The term "threatened" is applied when populations are low enough that it appears likely that, if no protection is offered, the species will become endangered (threatened with extinction).

Three independent organizations were contacted during this EBS by letter to determine whether any threatened or endangered species are present on the Fort Dearborn property or may exist in the area. These were the Illinois Department of Natural Resource, the Department of Energy and Natural Resources, and the U.S. Department of Interior Fish and Wildlife Service. A response received from the Illinois Department of Natural Resources stated that, according to the Natural Heritage Database, there are no known occurrences of listed species at or in close proximity to the Fort Dearborn USARC. The U.S. Department of Interior Fish and Wildlife Service

responded that they do not believe any federally endangered or threatened species occur in the vicinity of the Fort Dearborn property. They concluded that no further action is required with respect to endangered and threatened species as required by the Endangered Species Act of 1973. To date, the Department of Energy and Natural Resources has not responded.

Previous studies for O'Hare International Airport and the surrounding area suggest the potential use of the area near O'Hare International Airport by several state or federally listed threatened or endangered species. These studies include a Final Environmental Impact Statement (Landrum & Brown, 1984) and an Existing Conditions Environmental Assessment Report (Landrum & Brown, 1995), which references two separate efforts to evaluate plants and animals in the O'Hare International Airport area. These include a 1993 U.S. Department of Agriculture survey of wildlife and a 1995 field biological assessment by Hey & Associates. To date, no studies have been conducted specifically for the Fort Dearborn property.

The 1984 Final Environmental Impact Statement for O'Hare International Airport (Landrum & Brown, 1984) identified four endangered animal species known to be in the region and which have been observed as transient species in the area. These included the Indiana Bat and Peregrine Falcon, both federal and state listed endangered species, and the upland sandpiper and marsh hawk, which are included on the Illinois list of endangered species.

According to the U.S. Department of Agriculture (1993), ten state listed endangered bird species and one federally listed endangered bird species were identified within the airport area. The only federally listed endangered species known to occur within the vicinity is the peregrine falcon. Although no critical habitat was identified for the peregrine falcon on the airfield, peregrine falcons are known to nest in Cook County and may be likely to forage at O'Hare International Airport. The state-listed endangered and threatened wildlife species observed at O'Hare International Airport included the Black Tern, Pied-billed Grebe, Northern Harrier, Long-eared Owl, Upland Sandpiper, Sandhill Crane, American, Bittern, Great Egret, Wilson's Phalarope, and Black-crowned Night Heron. No other state or federally listed threatened or endangered animals are known to occur in the vicinity of O'Hare International Airport.

According to Hey & Associates (1995), field surveys observed no rare or critical habitats for any state or federally listed animal species. Poor vegetation and continual site disturbances severely limit the nesting habitats for many avian species. Field surveys identified a small stand of the state-threatened early fen sedge (Carex crawei) in a wetland area located approximately 2 miles from the Fort Dearborn boundary. No other endangered or threatened plant species were noted.

3.5.2.2. Sensitive Habitats

Fort Dearborn is located within a region that once included woodlands, prairie, and wetlands. Today, only remnants of these habitats remain due to the level of urbanization. The majority of land in the area and all of the Fort Dearborn property is developed and includes buildings, paved roadways and parking lots, and mowed lawns. Due to development and urbanization, original soils have been disturbed and little native vegetation remains. These conditions offer negligible shelter for wildlife and are unlikely to contain breeding areas or crucial habitat for migratory birds.

Four independent organizations were contacted by letter during this EBS requesting a determination as to whether any sensitive habitats are present or may exist on the Fort Dearborn property. These include the Illinois Department of Natural Resources, the Department of Energy and Natural Resources, the Northeastern Illinois Planning Commission, and U.S. Department of Interior Fish and Wildlife Service. A response from the Illinois Department of Natural Resources stated that, based upon their review of the Natural Heritage Database, there is no known natural areas at or in close proximity to the installation. The Northeastern Illinois Planning Commission responded that a determination on whether or not sensitive habitats exist on the USARC property is not within their jurisdiction and concluded that this determination would be best addressed by other agencies. The U.S. Department of Interior Fish and Wildlife Service responded that they do not believe any federally endangered or threatened species occur in the vicinity of the USARC property. To date, the Department of Energy and Natural Resources has not responded.

3.5.2.3. Wetlands

Wetlands are defined by the U.S. Army Corps of Engineers (USACE) as "areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions" (USACE, 1987). Periodically wet areas that do not meet all three criteria (hydrophytic vegetation, hydric soils, and wetland hydrology) are not jurisdictional wetlands subject to Section 404 of the Clean Water Act. Areas that have been disturbed or that are classified as problem area wetlands may not meet all three criteria due to natural or man-induced reasons, yet are still considered wetlands.

The National Wetland Inventory (NWI) map for the Fort Dearborn USARC area was reviewed in this EBS to identify the presence of any designated wetland areas on the Fort Dearborn property.

The NWI inventory map did not indicate the presence of designated wetlands on the Fort Dearborn property (Figure 3-2).

A visual reconnaissance of the Fort Dearborn property was conducted to identify conditions that may be consistent with wetland areas. The Fort Dearborn property is characterized by buildings, paved surface areas, and mowed lawns. No areas within the Fort Dearborn property were identified to be permanently inundated by water and no areas within the Fort Dearborn boundary were observed to have characteristics commonly associated with wetlands.

The USACE, Chicago District, was contacted during this EBS by letter briefly describing the scope of the project and the findings obtained from the wetland inventory maps and the visual reconnaissance. The USACE has been requested to respond to confirm that no designated wetlands exist of the Fort Dearborn property. However, to date, no response has been received from the USACE.

3.5.2.4. Prime and Unique Farmlands and Timberlands

The Farmland Protection Policy Act of 1981 was enacted to minimize the extent to which federal programs contribute to the unnecessary and irreversible conversion of farmland to non-agricultural uses. The Illinois Department of Agriculture is responsible for implementing the Illinois Farmland Protection Act (Illinois revised Statute 1991, Chapter 5, paragraph 1301, et seq.). This act established review criteria intended to preserve Illinois farmland in accordance with the federal program.

Prime farmland is land that has the best combination of physical and chemical characteristics for producing food, feed, fiber, forage, oilseed, and other agricultural crops with minimum inputs of fuel, fertilizer, pesticides, and labor, and without intolerable soil erosion. As defined in the Farmland Protection Policy Act of 1981, land is not considered prime farmland if it has been committed to urban development or water storage.

Unique farmlands are those whose value is derived from their particular advantages for growing specialty crops. It has a special combination of soil quality, location, growing season, and moisture supply needed to economically produce sustained high quality or high yields of specific crops when treated and managed according to acceptable farming methods.

The Illinois Department of Agriculture, the North Cook County Natural Resources Conservation Service, and the Northeastern Illinois Planning Commission were contacted to request a determination as to whether prime or unique farmlands are present or may exist on the Fort

Dearborn property. According to the Illinois Department of Agriculture, there are no unique farmlands designated in the State of Illinois. The North Cook County Natural Resources Conservation Service concluded the Fort Dearborn property is not considered prime or unique farmland. The Northeastern Illinois Planning Commission responded that a determination on whether or not prime or unique farmlands exist on the USARC property is not within their jurisdiction and concluded that this determination would be best addressed by other agencies.

3.5.3. Unusual Geologic Conditions

3.5.3.1. Seismic Conditions

The Uniform Building Code places the Fort Dearborn property in seismic zone "0", just north of the boundary with seismic zone "1", indicating very low seismic hazard. There are no known active faults in northeastern Illinois. The Sandwich Fault zone in Will and Ogle Counties, approximately 40 miles to the south, is the most significant fault structure in the region. Geologic studies have shown the most recent activity on this fault zone was in excess of 200,000 years ago. The nearest faults considered capable of producing significant ground motions are the New Madrid Seismic Zone and the Wabash Valley Fault System, each several hundred miles to the south. Soils typical of the region are dense, silty clay tills, which are not subject to liquefaction during seismic events. The Uniform Building Code assigns no seismic factor to zone "0" and a zone factor of 0.075 to zone "1". The City of Chicago makes no specific provision for seismic hazards.

3.5.3.2. Landslide Conditions

Topography within the Fort Dearborn USARC is flat and presents no landslide or other unusual geologic hazards. The dolomite that is the uppermost bedrock beneath the area, although susceptible to minor solutioning, does not exhibit significant karst development.

3.5.3.3. Floodplain

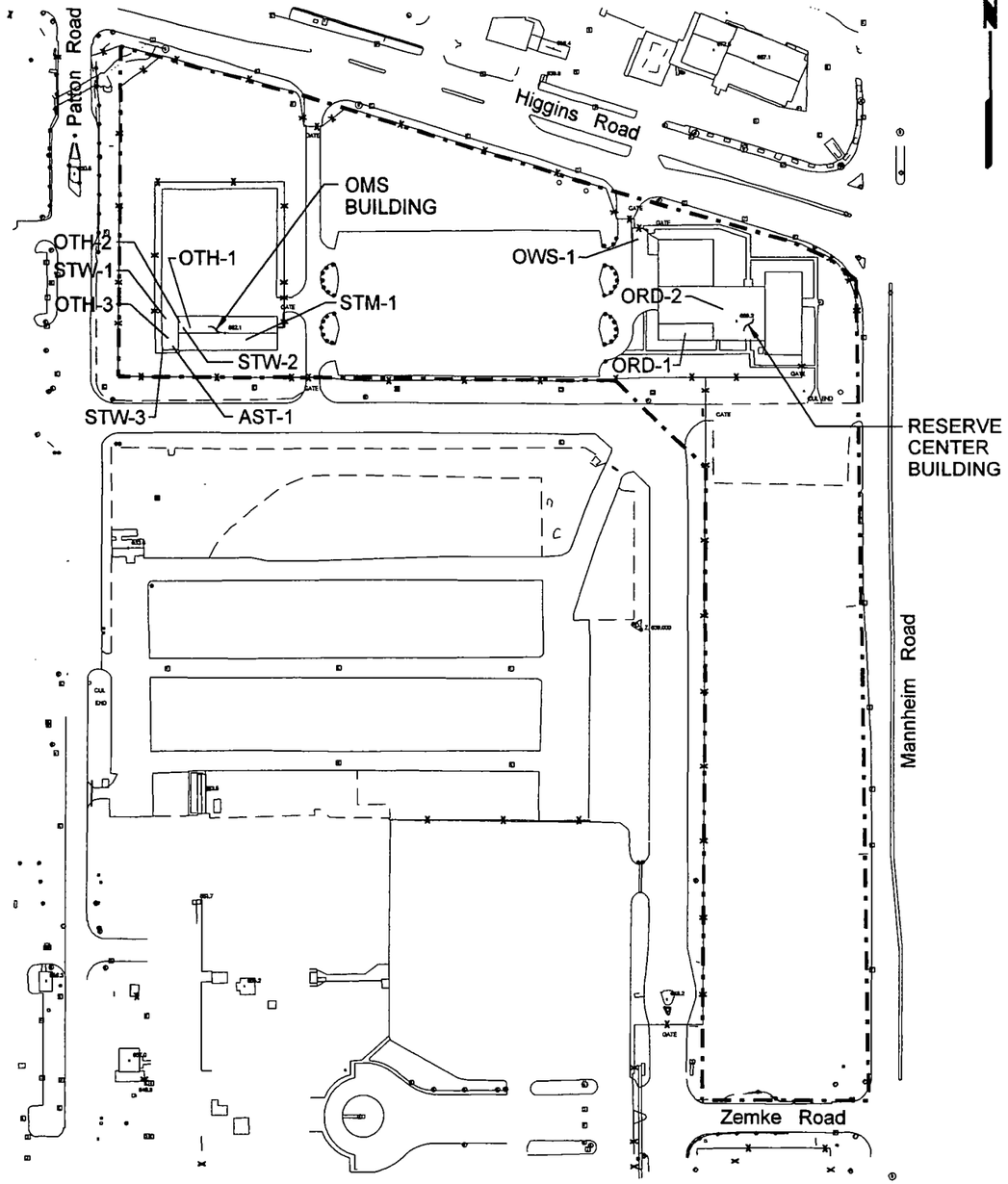
Based upon review of flood insurance rate maps (Federal Emergency Management Agency, 1981), the entire Fort Dearborn USARC is within the 100-year flood plain of Willow Creek (Figure 4-4).

3.5.3.4. Valuable Mineral Resources

The Illinois State Geological Survey and the Illinois Department of Natural Resources were contacted by letter during this EBS to obtain information on the presence of valuable mineral resources on the Fort Dearborn property. The Illinois Department of Natural Resources responded that no coal resources exist in the vicinity of the Fort Dearborn USARC. Deposits of sand and gravel as well as limestone are present in the Chicago area. The ISGS response indicated the likelihood of economic deposits of sand and gravel at the Fort Dearborn property was small and, although underground dolomite mining might be possible, the overburden in the area is typically too thick for development of traditional quarries.

FIGURES

Property Categorization Factor Designation	Description
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.
STW-3	**Former Drum Storage Area**. Area was formerly used for the storage of 55-gallon drums containing waste oil.
AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.
ORD-2	**Arms Storage Room**. Area used principally for weapons storage, but is infrequently used for temporary storage of small caliber munition.
OTH-1	**Former Maintenance Pit**. Former pit used to facilitate maintenance activities underneath vehicles. Pit has been filed and covered with concrete.
OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.
OTH-3	**Former Vehicle Wash Rack**. Former concrete vehicle wash rack used for vehicle cleaning. The washrack was reported to drain into a shallow had dug trench. Site is currently not in use.
OWS-1	**Oil/water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.



LEGEND :

Facility Boundary

SCALE 0 200 FEET

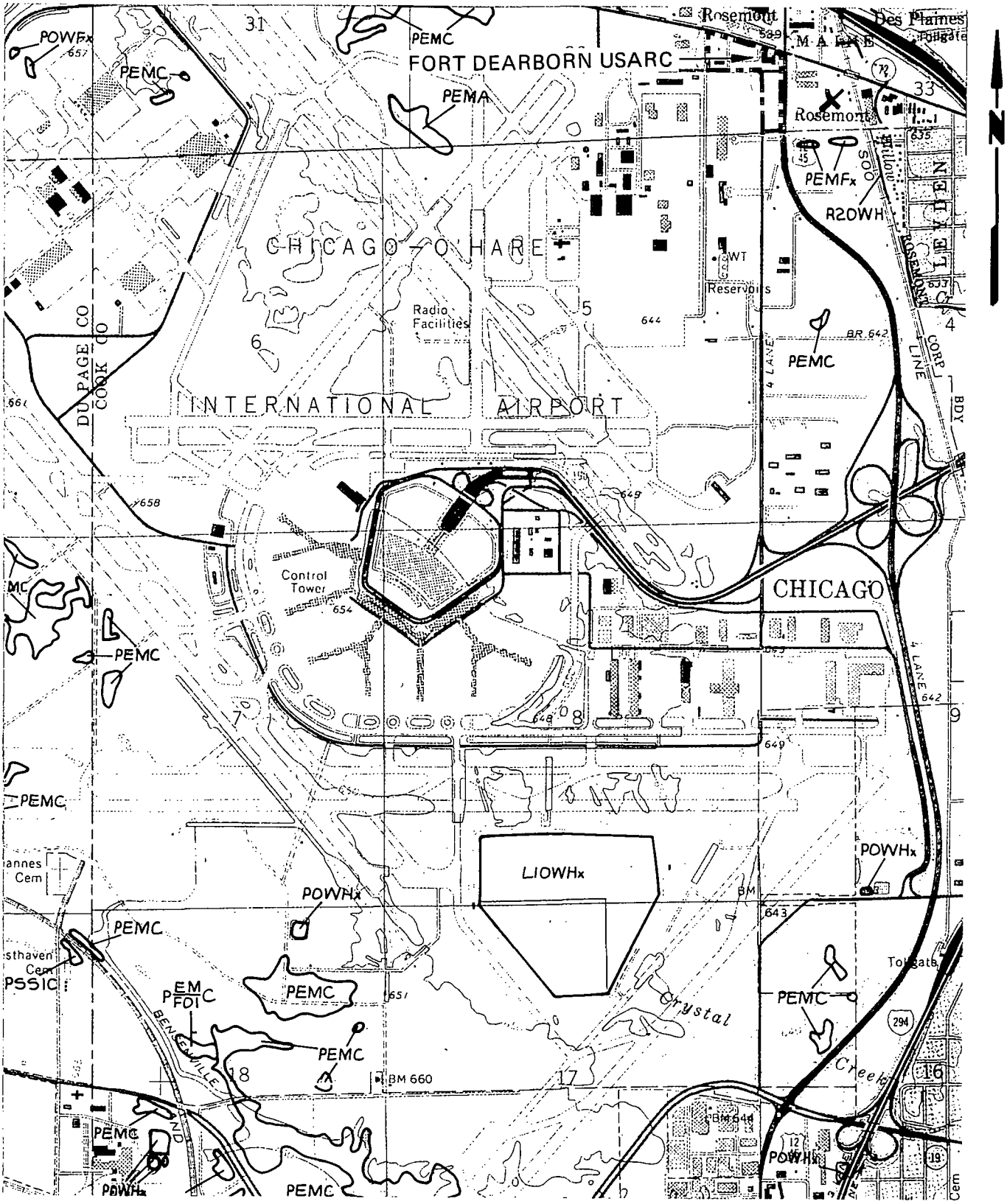
HARZA *Consulting Engineers and Scientists*

Figure 3-1

SUMMARY OF PROPERTY CATEGORIZATION FACTORS

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY

City of Chicago, Illinois



LEGEND:

Generalized Facility Boundary

SCALE 0 1000 2000 Feet

Figure 3–2

NATIONAL WETLANDS INVENTORY (NWI) MAP

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA Consulting Engineers and Scientists

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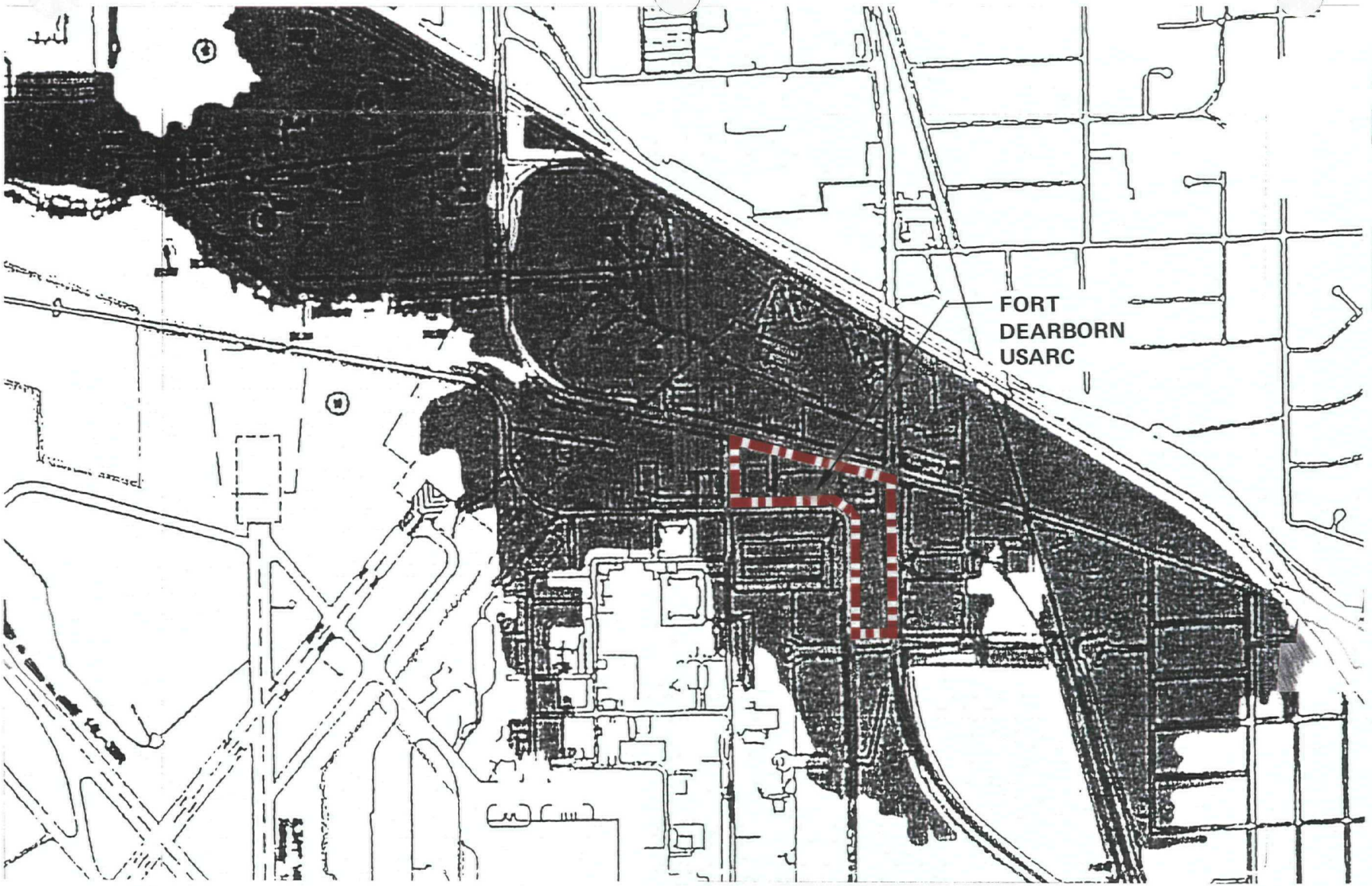

LEGEND:

Generalized Facility Boundary

Floodplain Area

HARZA Consulting Engineers and Scientists

Figure 3–3

LOCATION OF THE 100–YEAR FLOODPLAIN

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

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4.0 ADJACENT PROPERTY FINDINGS

4.1. APPROACH

In accordance with Section 120(h)(4) of CERCLA, a visual inspection of the adjacent and nearby properties, physical inspection of selected properties, and a review of records maintained by federal, state, and local agencies were made to identify sites using hazardous materials and/or generating hazardous waste in the vicinity of the Fort Dearborn USARC, including treatment, storage, and disposal (TSD) facilities; facilities with USTs; facilities with leaking USTs; and uncontrolled or abandoned hazardous waste sites.

4.1.1. Agency Records Search

Records maintained by federal, state, and local agencies were searched to identify reported sites using hazardous materials and/or generating hazardous waste in the vicinity of the Fort Dearborn USARC, including TSD facilities; facilities with USTs; facilities with leaking USTs; and uncontrolled or abandoned hazardous waste sites. The agency records search consisted of a search of computerized federal and state environmental compliance databases, a review of pertinent federal and state agency records, particularly for those sites identified through the computerized search, and a review of recent and historic aerial photographs.

The search of federal and state computerized databases was performed in April 1999 by Environmental Data Resources, Inc. (Appendix F). A list and description of the databases included in the search are presented in Table 4-1. For the purpose of the computer records search, the geographic area within approximately one-mile of the installation boundary was considered (most database records are keyed to location). Although the evaluation of off-base properties is focused on areas within approximately 0.25 mile of the installation boundary, the larger area was used so all potential sites of concern in proximity to the installation could be identified.

The sites identified in the computer records search were evaluated and screened using the minimum search distances recommended by the American Society for Testing and Materials (ASTM) guidelines for conducting Phase I Site Assessments (ASTM, 1997). The specific search distances considered for sites identified in the different agency databases are listed in Table 4-1. A summary of sites identified in the computer records search that were considered in this EBS is presented in Table 4-2 and the site locations are shown on Figure 4-1.

4.1.2. Inspections

Adjacent properties contiguous with the installation boundary and properties within approximately one mile of the boundary, identified through the records search as being of potential environmental concern, were visually and/or physically inspected. The visual inspections were conducted public rights-of-way (e.g., roads); and physical inspections were conducted when permission was received from the property owner. The visual and/or physical inspections focused on property categorization factors (e.g., USTs, hazardous waste storage), stressed vegetation, stains, noxious odors, etc. Potential contamination of adjacent property from activities at Fort Dearborn was also assessed by visual inspection.

4.2. SURVEYED PROPERTIES

A total of sixteen properties adjacent to or in the vicinity of the Fort Dearborn boundary were considered in the adjacent property evaluation. A physical inspection of the adjoining U.S. Air Force property was requested and granted for purposes of this EBS. For the remaining properties, a visual inspection from public rights-of-way and/or a review of aerial photographs was conducted. A description of each of the sixteen properties and a summary of the findings is presented in Table 4-3. The locations of the properties are identified on Figure 4-2. Unless specifically noted in Table 4-3, no evidence of contamination or environmental concern was identified on the properties inspected.

4.3. FINDINGS

Based on the records reviewed and site inspections of properties adjacent to and contiguous with the installation boundary, and properties within approximately 0.25 mile to 1.0 mile of the installation boundary there are no known areas on the Fort Dearborn USARC that have been contaminated by adjacent properties. Additionally, there are no known areas adjacent to the Fort Dearborn USARC that have been contaminated by activities at Fort Dearborn.

TABLES

Table 4-1
Federal and State Databases

Database	Description	Distance[1]
Federal Databases		
National Priorities List (NPL)	A USEPA listing of uncontrolled or abandoned hazardous waste sites. The List, also known as the Superfund List, is based primarily on a score that the site receives from the EPA's Hazard Ranking System. These sites are targeted for possible long-term remedial action under the Superfund Act.	1.0
Resource Conservation and Recovery Information System (RCRIS-SQG, RCRIS-LQG)	This USEPA database contains information pertaining to those facilities that generate hazardous waste or meet other applicable requirements of the Resource Conservation and Recovery Act.	0.25
Resource Conservation and Recovery Information System (RCRIS-TSD)	This USEPA database contains information pertaining to those facilities that generate, or treat, store, and/or dispose of hazardous waste.	0.5
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)	A compilation of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have been investigated or are currently under investigation by the USEPA for the release or threatened release of hazardous substances.	0.5
Emergency Response Notification System (ERNS)	ERNS is a national database which includes information on sudden and/or accidental releases of hazardous substances and petroleum into the environment. The ERNS reporting system contains preliminary information on specific releases, including spill location, substance released, and responsible party.	Target Property
Facility Index System (FINDS)	The FINDS database includes an inventory of all facilities regulated or tracked in approximately 20 USEPA databases, including TRIS, CERCLIS and RCRIS. Facilities are assigned an identification number which serves as a cross-reference for other databases in USEPA's program system. Each FINDS record indicates the USEPA Program Office responsible for tracking the facility.	Target Property
PCB Activity Database System (PADS)	PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the USEPA of such activities.	Target Property
RCRA Administration Action Tracking System (RAATS)	RAATS contains records based on enforcement actions issued under RCRA pertaining to major violations and includes administrative and civil actions brought by the USEPA.	Target Property
Toxic Chemical Release Inventory System (TRIS)	TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.	Target Property

Table 4-1 (con't)
Federal and State Databases

Database	Description	Distance[1]
Toxic Substances Control Act (TSCA)	TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substances Inventory List. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.	Target Property
Hazardous Materials Information Reporting System (HMIRS)	HMIRS contains hazardous material spill incidents reported to the Department of Transportation (DOT).	Target Property
Federal Superfund Liens (NPL LIENS)	Under the Authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.	Target Property
Corrective Action Report (CORRACTS)	CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.	1.0
State Databases		
Leaking Underground Storage Tank Incident Reports (LUST)	LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.	0.5
Registered Underground Storage Tanks (UST)	This database contains a list of all registered underground storage tanks. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program.	0.25
State Hazardous Waste Sites (SHWS)	State hazardous waste site records are the state's equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.	1.0

Table 4-1 (con't)
Federal and State Databases

Database	Description	Distance[1]
Solid Waste Facilities/Landfill Sites (SWF/LS)	SWF/LS records contain an inventory of solid waste disposal facilities or landfills in a particular state.	0.5
Northeastern Illinois Planning Commission (NIPC)	NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.	0.5

Notes: 1. Database search distance in miles from installation boundary.

Table 4-2
Summary of Federal and State Database Records Search

Map ID	Name/Location	Database	USEPA/IEPA ID No.	Comments
A	Higgins Mannheim Property 10255 Higgins. Suite 140 Rosemont, IL	UST	N/A	This facility has an active underground storage tank.
B	Prudential Inc. Co. of America 6501 Mannheim Road Rosemont, IL	UST	N/A	Closed
B	Prudential Realty 6501 Mannheim Road Rosemont, IL	LUST	0312765078	This facility is an active leaking underground storage tank site.
C	DAP Co. 7100 Mannheim Rd. Rosemont, IL	LUST	0312760002	This facility is an active leaking underground storage tank site.
D	Ramada International 6600 Mannheim Rd. Rosemont, IL	UST	N/A	Closed
E	AC Pavement Striping Co. 3036 Orchard PL Des Plaines, IL	UST	N/A	Closed
F	AC Pavement Striping Co. 3036 Orchard PL Des Plaines, IL	LUST	0310635243	This facility is an active leaking underground storage tank site.
G	Bepex Corp. 10225 Higgins Rd. Des Plaines, IL	RCRIS-SQG	ILD060370277	This facility is listed as a small quantity generator for USEPA hazardous waste.
H	American O'Hare Auto Spec 3000 Orchard Place Des Plaines, IL	RCRIS-SQG	ILD102174091	This facility is listed as a small quantity generator for USEPA hazardous waste.
I	JDS Auto Body 3003 Orchard PL Des Plaines, IL	RCRIS-SQG	IL0000262410	This facility is listed as a small quantity generator for USEPA hazardous waste.

Table 4-2 (con't)
Summary of Federal and State Database Records Search

Map ID	Name/Location	Database	USEPA/IEPA ID No.	Comments
J	Hawthorne Realty Group 10275 Higgins Rd. Rosemont, IL	UST	N/A	This facility has an active underground storage tank.
K	Alamo Pria's Service Station 7190 Mannheim Rd. Rosemont, IL	LUST	0312765055	This facility is an active leaking underground storage tank site.
L	Northern Illinois Gas 6810 N. Mannheim Rd. Rosemont, IL	LUST	0312765007	This facility is an active leaking underground storage tank site.
M	Buckhorn Ranch Estates 2993 Curtis St. Des Plaines, IL	LUST	0310635418	This facility is an active leaking underground storage tank site.
N	Peacock Oil Co. 6900 Mannheim Rd. Rosemont, IL	LUST	0312765084	This facility is an active leaking underground storage tank site.
O	Orchard Place School 2727 Maple St. Des Plaines, IL	LUST	0310635193	This facility is an active leaking underground storage tank site.

Table 4-3
Off-Base Properties Investigated

Map ID	Type1	Location	Comments
A	V	Higgins Mannheim Property 10255 W. Higgins Road Rosemont, IL	The subject property consists of a multi-story building and parking area (O'Hare International Center and Nick's Fish Market). The subject property is listed as a UST site in the environmental database review. No environmental concerns were noted during visual inspection from public areas. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
B	V	Prudential Realty 6501 Mannheim Road Rosemont, IL	The subject property is listed as a UST and LUST site in the environmental database review. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
C	V	DAP CO. 7100 Mannheim Road Rosemont, IL	The subject property is currently vacant, with evidence of a recently demolished structure, remnants of a loading dock, concrete pavement, weeds, and a large dumpster on site. The environmental database review identified this property as a LUST site. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1990 aerial photograph shows the property as a factory or industrial building.
D	V	Ramada Hotel 6600 N. Mannheim Road Rosemont, IL	The subject property consists of a multi-story building and parking area. The subject property is listed as a UST site in the environmental database review. No environmental concerns were noted during visual inspection from public areas. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
E,F	V	AC Pavement Stripping Co. 3036 Orchard Street Des Plaines, IL	The subject property consists of an asphalt paved parking area and a single brick office type building. Numerous company vehicles are parked on the property along with pallets of bagged materials used for pavement marking. A truck dock is located adjacent to the street. Several 55-gallon drums are located near the southwest corner of the property. The subject property is listed as a UST and LUST site in the environmental database review. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
G	none	Bepex Corporation 10225 Higgins Road Rosemont, IL	The property is listed in the environmental database as a RCRIs-SQG. This property could not be identified during the windshield survey and no telephone listing was available. No visual inspection was conducted. No information regarding its location and current use could be obtained.
H	V	American O'Hare Auto Spec. 3000 Orchard Place Des Plaines, IL	This business was reportedly closed approximately 5 years ago and the specific location could not be identified during the windshield survey. The environmental database review identified this property as a RCRIS-SQG. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.

Table 4-3 (con't)
Off-Base Properties Investigated

Map ID	Type1	Location	Comments
I	V	3003 Orchard Place DesPlaines, IL	The subject property consists of a gravel surface and a small grass area adjacent to the street. A metal garage-type building is centrally located on the property with an attached office trailer. Numerous vehicles are parked on the property. Two 55-gallon drums are visible at the northeast corner of the property. The environmental database review identified this property as a RCRIS-SQG. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
J	V	Hawthorn Realty Group 10275 Higgins Road Rosemont, IL	The subject property consists of a multi-story building and parking area (O'Hare International Center and Nick's Fish Market). The subject property is listed as a UST site in the environmental database review. No environmental concerns were noted during visual inspection from public areas. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
K	V	Alamo Pria's Service Station 7190 Mannheim Road Rosemont, IL	The subject property consists of a one-story building occupied by Cellular One. The building appears to have been previously occupied by a gas station. What appears to be an old car wash, one-story structure is located further to the back. The subject property is listed as a LUST site in the environmental database review. A review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
L	V	Northern Illinois Gas 6810 N. Mannheim Road Rosemont, IL	The subject property consists of a multi-story building and parking area (Sheraton International Hotel). The subject property is listed as a LUST site in the environmental database review. No environmental concerns were noted during visual inspection from public areas. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
M	V	Buckhorn Ranch Estates 2993 Curtis Street Des Plaines, IL	The subject property consists of a gravel-covered trailer park with new and older homes. What appears to be an old garage is located on site, currently used for garbage storage. The subject property is listed as a LUST site in the environmental database review. Review of a 1949 aerial photograph indicates the property was an agricultural field.
N	V	Peacock Oil 6900 Mannheim Road Rosemont, IL	The subject property is currently vacant, but formerly was occupied by a gasoline station. The property is covered by concrete pavement with a sales building located along the west end of the property and an adjacent fuel island canopy to the east. Three existing fuel pumps are visible and identified as unleaded, super-unleaded and diesel. Four underground storage tank vent lines are visible near the southwest corner of the property. The environmental database review identified this property as a LUST site. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.

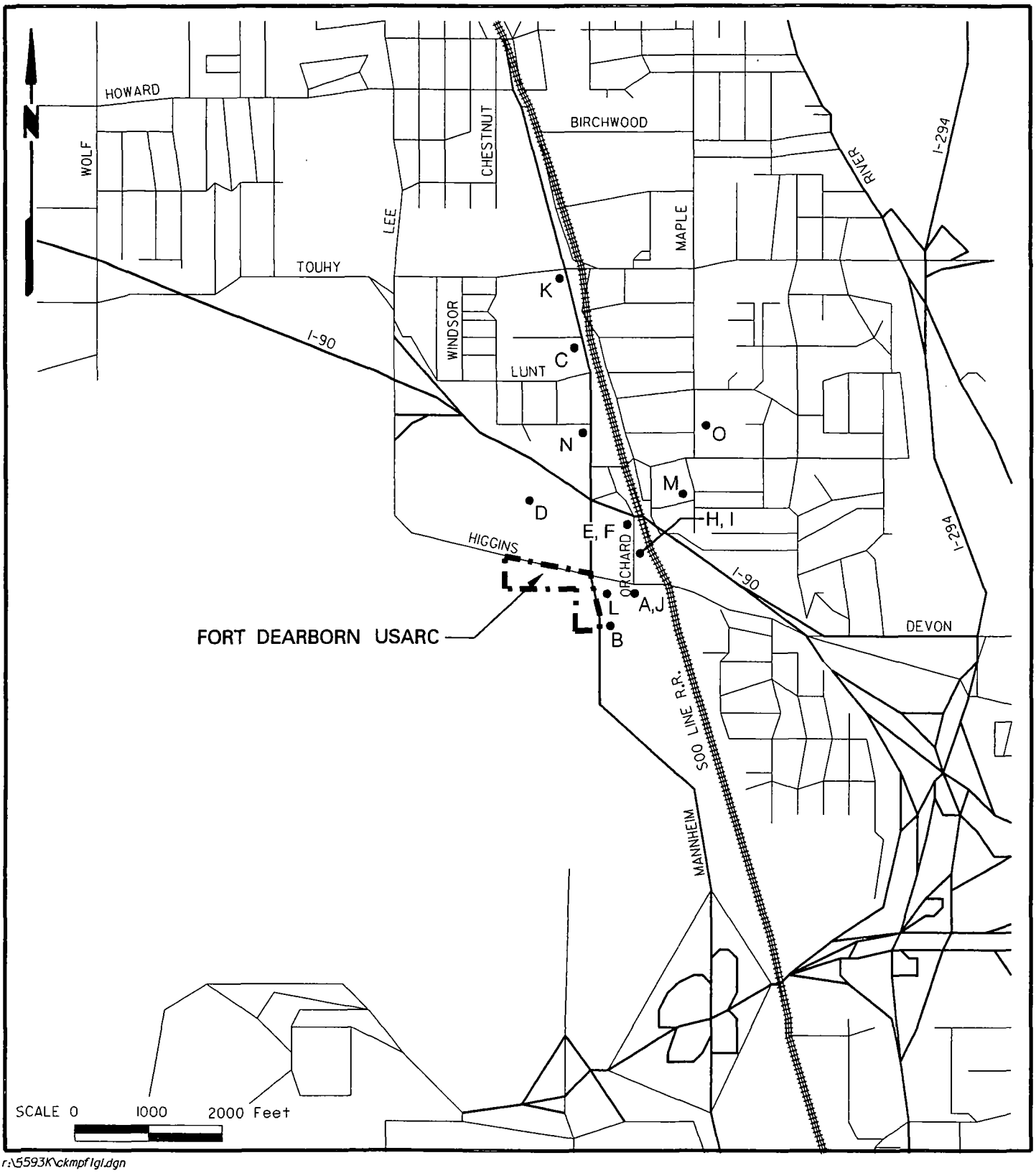
Table 4-3 (con't)
Off-Base Properties Investigated

Map ID	Type1	Location	Comments
O	V	Orchard Place School 2727 Maple Street Des Plaines, IL	The subject property consists of an elementary school with an adjoining paved parking area and playground. The environmental database review identified this property as a LUST site. The tank location was not visible during the site inspection from public access areas. No other environmental concerns were noted.
P	P	USAF Air Reserve Station	The subject property is currently used by the U.S. Air force as an active air reserve station. Numerous buildings and facilities are located on the property to support military aircraft operations. These facilities include aircraft maintenance hangars, equipment maintenance shops, warehouses, a dining hall and firing range, fuel farm, communications facility, and material storage buildings. Associated with these facilities are a number of hazardous substance storage areas, hazardous waste storage areas, storage tanks, oil/water separators, and Installation Restoration Program Sites. Review of available environmental investigation and assessment reports for the facility indicate no areas of known contamination, which have impacted the Ft Dearborn property. The U.S. Air Force is currently conducting a removal action at an approximate 8 acre former trailer park area located adjacent to the Ft Dearborn property. The removal action is being performed to remove polynuclear aromatic hydrocarbon (PNA) impacted soil to meet IEPA's Tier 1 industrial/commercial soil cleanup objectives found in Appendix B of 35 Illinois Administrative Code, Part 742. Based on information available to date, excavation activities have been completed at the site and consisted of the excavation and off-site disposal of an estimated 28,000 tons of impacted soil. Review of a 1949 aerial photograph indicates the property was an agricultural field and a 1992 aerial photograph shows the property as it is today.
Q	V	O'Hare International Airport - East Remote Parking Area	The property is used for parking areas for airport rental cars, holding area for taxis, buses and limousines and a long term economy parking lot for travelers using the airport. Review of a 1992 aerial photograph indicates substantial construction activity on the property. Two O'Hare ARS Installation Restoration Program (IRP) sites are located on this property (Landfill No. 2 and the Fire Protection Training Area). In addition, the O'Hare ARFF Hardfill No. 3 is located on this property

Notes:

1. P = Physical Inspection, V = Visual Inspection

FIGURES



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LEGEND:

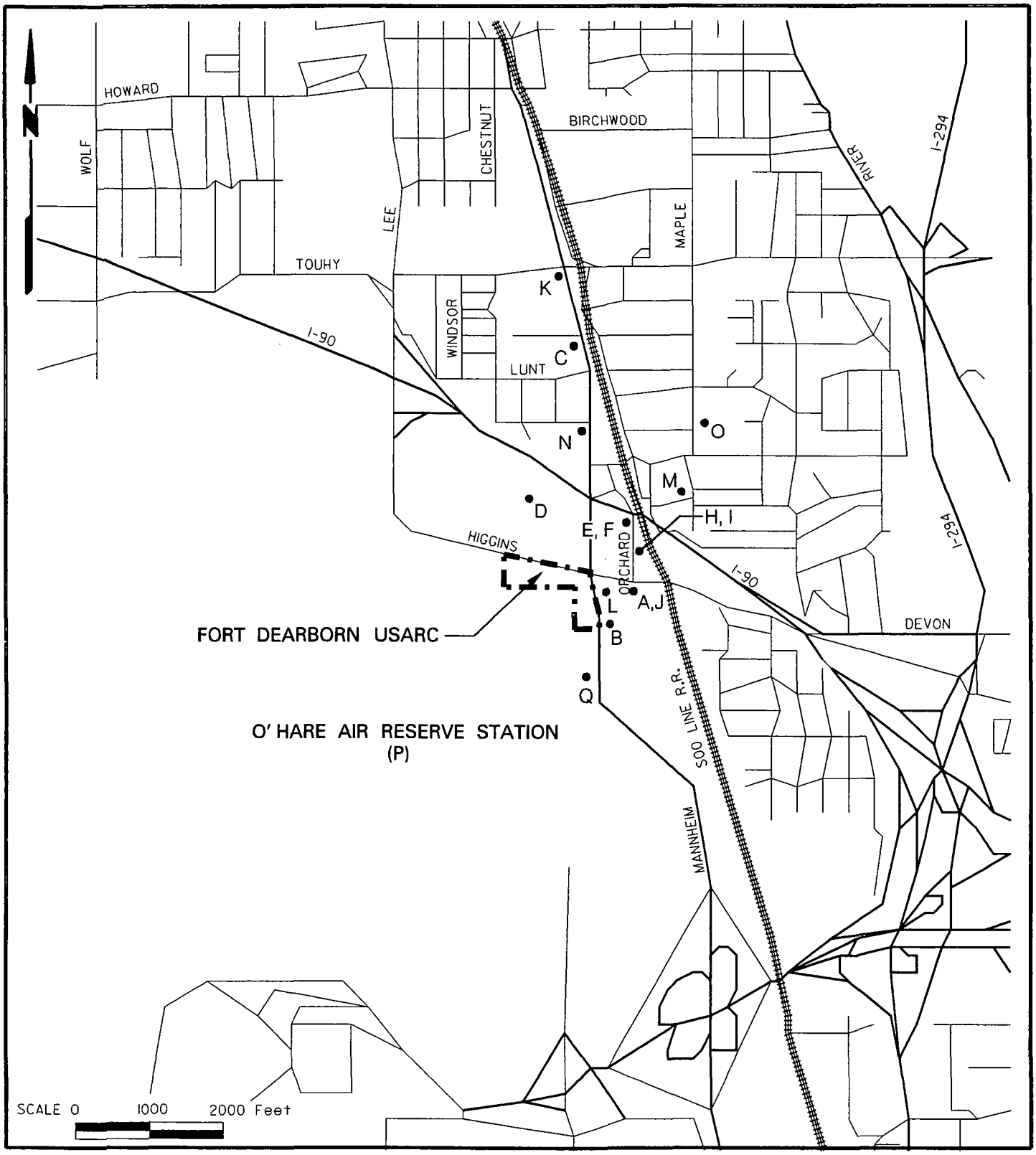
- Generalized Facility Boundary
- A — Records Search Site

Figure 4-1

SUMMARY OF FEDERAL AND STATE DATABASE RECORDS SEARCH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA Consulting Engineers and Scientists



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LEGEND:

- Generalized Facility Boundary
- A Records Search Site

Figure 4-2

OFFBASE PROPERTY INVESTIGATED

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA Consulting Engineers and Scientists

5.0 CONCLUSIONS

5.1. ENVIRONMENTAL CONDITION

The property at the Fort Dearborn USARC has been categorized in accordance with the methodology described in Section 2.4. Figures 5-1 and 5-2 are a graphical presentation of the categorization.

5.1.1. Property Categorization

5.1.1.1. CERFA

Based on the methodology described in Chapter 2.0 of this EBS, most areas of the Fort Dearborn property have been categorized as uncontaminated (i.e., Category 1). The areas categorized as uncontaminated and the uncontaminated acreage are summarized on Figure 5-1.

5.1.1.2. CERCLA 120(h) Notification

Based on the methodology described in Chapter 2.0 of this EBS, five sites at the Fort Dearborn USARC have been placed in Categories 2 through 7. Specifically, each of these sites are categorized as "7" and are considered non-transferable without further evaluation or investigation.

Property categorization factors resulting in a Category 7 rating included a former firing range, vehicle wash rack and oil/water separator, a former maintenance pit, a former shop sink, and a former vehicle wash rack. Available information obtained during this EBS was not sufficient to make a determination of the environmental condition of these sites.

5.1.2. Facility Disclosure Considerations

A limited asbestos survey of several rooms within the Reserve Center Building was conducted in 1994. The results of the asbestos survey indicate the presence of asbestos containing material in floor tile in Rooms 212/213 and non-asbestos containing material in the ceiling tile in Rooms 141/142. Other possible asbestos containing materials were observed throughout the facility and appeared to non-friable and in good condition. These materials included floor tile, ceiling tile, pipe insulation, and elbow joint compound. The presence of asbestos and possible asbestos

containing material is disclosed so that it can be properly managed during renovation or demolition of the buildings.

No lead-based paint surveys have been conducted at the Fort Dearborn USARC. Due to the age of most buildings, it is assumed lead-based paint exists throughout the facility. Appropriate federal, state, and local regulations and policies must be followed in any renovation or demolition of facilities containing lead-based paint.

Drinking water is provided to the Fort Dearborn USARC by the City of Chicago, Department of Water. No problems associated with the installation water supply source were identified during this EBS.

No workplaces at the Fort Dearborn USARC have historically or are currently being studied with regard to indoor air quality issues.

Electric light ballasts, potentially containing PCBs, were observed throughout the installation. No obvious physical evidence of leaks associated with this equipment was observed during the visual site inspection.

Radiological substances are stored in the Reserve Center Building and are used to calibrate radiac instruments. The radiological substances are properly handled and managed and present no environmental hazard.

Limited testing for radon has been performed at the Fort Dearborn USARC and does not appear to present an environmental hazard. Reported radon concentrations in the Reserve Center Building ranged from 0.6 to 2.0 pCi/L. According to a 1990 report issued by the IDNS, the probability of radon concentrations greater than 4 pCi/L (USEPA recommended maximum exposure level) is estimated to be less than 25% in Cook County.

5.1.3. Natural Resource Disclosure Considerations

5.1.3.1. Cultural Resources

No prehistoric, historic, traditional, or paleontological resources were identified at the Fort Dearborn USARC. Previous studies for the O'Hare International Airport area were reviewed and a number of federal, state and local agencies were contacted for information and determinations on cultural resources. No existing cultural sites were identified and no potential sites were found.

5.1.3.2. Biological Resources

The Fort Dearborn USARC is located in an urban developed area and the entire installation is either paved or landscaped and routinely mowed. The results of the EBS indicate no threatened or endangered species inhabit the property. Studies by others for the O'Hare International Airport area indicate some threatened or endangered species may be observed on the property but do not nest or live there. There are no sensitive habitats, wetlands, prime or unique farmlands, or timberlands on the property.

5.1.3.3. Unusual Geologic Conditions

The seismic rating for the Fort Dearborn USARC is "0" which indicates the potential for no or minimal seismic activity. There is no landslide potential in the area and no valuable minerals are associated with the property. The entire Fort Dearborn property is located in the 100-year floodplain for Willow Creek.

Regionally, sand and gravel are mined for aggregate and other construction purposes, and Silurian age dolomite, the uppermost bedrock unit in the area, is quarried for aggregate and building stone. However, no economically mineable sand and gravel deposits are known to occur and there is no history of stone quarrying within the Fort Dearborn property or in the immediate area.

5.2. PROPERTY TRANSFERABILITY

Property in the first four categories would be suitable for transfer by deed. Property in the Categories 5 and 6 would be unsuitable for transfer by deed unless: (1) all necessary remedial actions have been taken and the property is awaiting reclassification into one of the first four categories or (2) approval was obtained from the EPA or Governor (as appropriate). Property in Category 7 is unsuitable for transfer by deed. Leases would be considered on a case-by-case basis for properties within all seven categories.

5.3. INCOMPLETE FINDINGS AND DATA GAPS

All available information on the environmental condition of the Fort Dearborn USARC has been considered and documented in this EBS. In some cases, incomplete information or data gaps were found and action was taken immediately to obtain the missing information. Additional

sampling and analysis may be necessary to fill the remaining data gaps. In all cases, actions to fill data gaps should be accelerated wherever possible to support the disposal schedule.

A total of five sites have been placed in Category 7 during this EBS. These sites are areas identified as requiring further investigation to resolve data gaps. Data gaps identified to date are listed below.

- Several property categorization factors were identified in the USATHAMA Waste Site Report (Weston, 1990) for the Fort Dearborn USARC and included a former indoor firing range, vehicle wash rack and oil/water separator, a former maintenance pit, a former shop sink, and a former vehicle wash rack. For each of these five sites, available information was insufficient to make a determination of the environmental condition of these sites. Sampling should be conducted at these sites to verify that contamination does not exist.

- Incomplete data were obtained to indicate that the lead abatement efforts at the firing range were initiated and/or completed. Additional information regarding the status of this site has been requested from the U.S. Army. If additional can be provided to demonstrate completion of the abatement, the site can be placed into a transferable category. Otherwise, abatement efforts should be undertaken and documented.

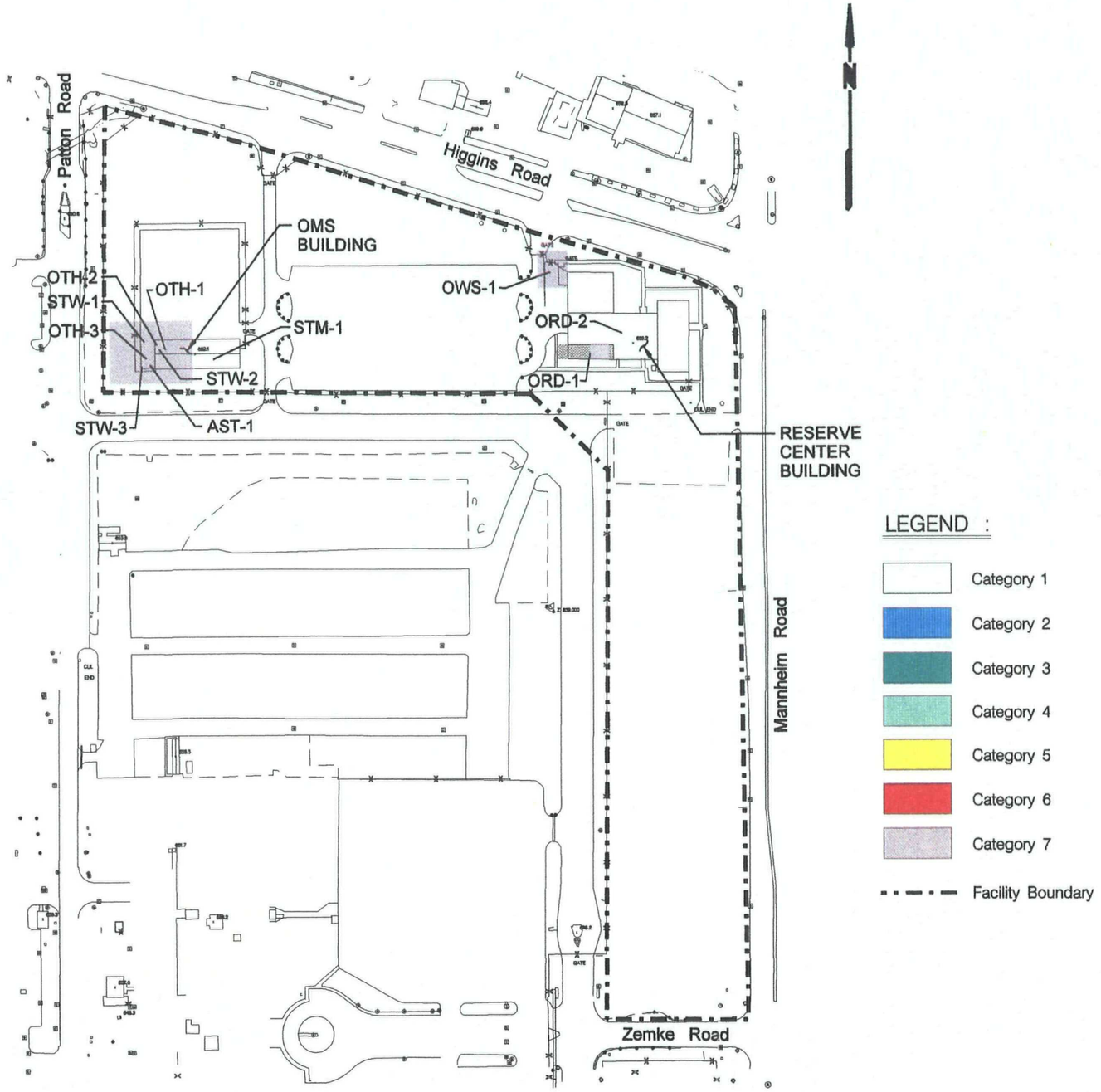
TABLES

Table 5-1
Summary of property Categorization and Environmental Factors

Property Categorization Factor Designation	Description	Property Categorization
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.	1
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.	1
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.	1
STW-3	**Former Drum Storage Area**. Area was formerly used for the storage of 55-gallon drums containing waste oil.	1
AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.	1
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.	7
ORD-2	**Arms Storage Room**. Area used principally for weapons storage, but is infrequently used for temporary storage of small caliber munition.	1
OTH-1	**Former Grease Pit**. Former pit used to facilitate maintenance activities underneath vehicles. Pit has been filed and covered with concrete.	7
OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.	7
OTH-3	**Former Vehicle Wash Rack**. Former concrete wash rack used for vehicle cleaning. The wash rack was reported to drain into a shallow had dug trench. Site is currently not in use.	7
OWS-1	**Oil/Water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.	7

FIGURES

Property Categorization Factor Designation	Description
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.
STW-3	**Former Drum Storage Area**. Area was formerly used for the storage of 55-gallon drums containing waste oil.
AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.
ORD-2	**Arms Storage Room**. Area used principally for weapons storage, but is infrequently used for temporary storage of small caliber munition.
OTH-1	**Former Maintenance Pit**. Former pit used to facilitate maintenance activities underneath vehicles. Pit has been filed and covered with concrete.
OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.
OTH-3	**Former Vehicle Wash Rack**. Former concrete vehicle wash rack used for vehicle cleaning. The washrack was reported to drain into a shallow had dug trench. Site is currently not in use.
OWS-1	**Oil/water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.



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HARZA *Consulting Engineers and Scientists*

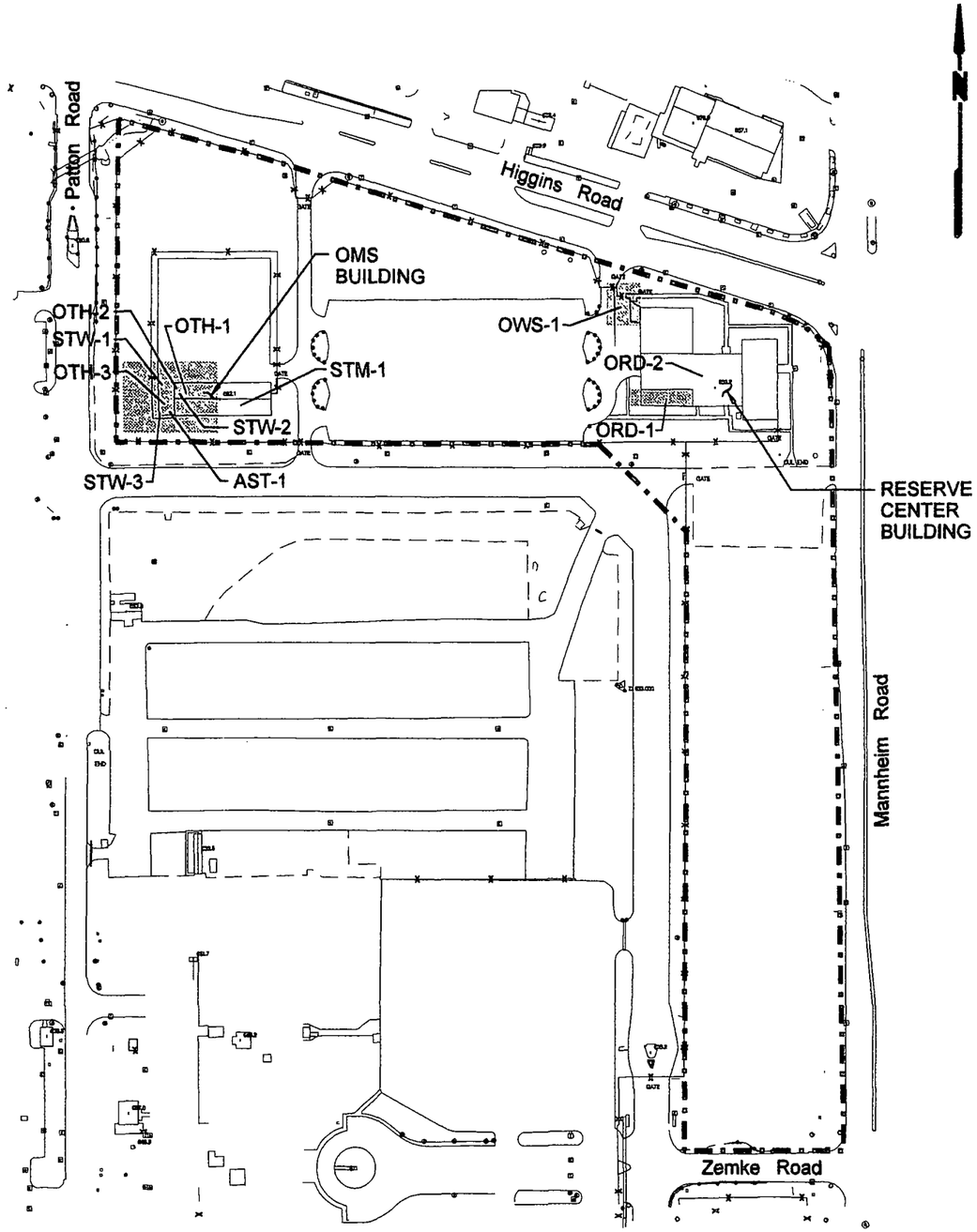
Figure 5–1

PROPERTY CATEGORIZATION

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY

City of Chicago, Illinois

Property Categorization Factor Designation	Description
STM-1	**Hazardous Material and Petroleum Storage Area**. Site consists of several storage cabinets located within the OMS Building used to contain various products used during vehicle maintenance activities.
STW-1	**Waste Accumulation Area**. Area is used as an accumulation area for used lubricating oil, waste antifreeze, and combustible liquid wastes. Wastes are stored inside a metal flammable storage building and fiberglass storage units.
STW-2	**Battery Storage Area**. Area is used to temporarily store spent lead-acid batteries.
STW-3	**Former Drum Storage Area**. Area was formerly used for the storage of 55-gallon drums containing waste oil.
AST-1	**Former Above Ground Storage Tank**. Storage tank formerly used to contain waste oil, waste paint, and spent thinner. Tank has been removed.
ORD-1	**Former Firing Range**. Former indoor small arms firing range. Site is currently inactive.
ORD-2	**Arms Storage Room**. Area used principally for weapons storage, but is infrequently used for temporary storage of small caliber munition.
OTH-1	**Former Maintenance Pit**. Former pit used to facilitate maintenance activities underneath vehicles. Pit has been filed and covered with concrete.
OTH-2	**Former Shop Sink**. Former shop sink described as a improvised sink which drained to a porous, buried 55-gallon drum. Sink has been removed but an open drain is present in the area of the former sink.
OTH-3	**Former Vehicle Wash Rack**. Former concrete vehicle wash rack used for vehicle cleaning. The washrack was reported to drain into a shallow had dug trench. Site is currently not in use.
OWS-1	**Oil/water Separator**. Oil/water separator and associated vehicle wash rack used to contain and pre-treat washwater prior to discharge to the storm sewer system. Site is currently inactive.



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HARZA *Consulting Engineers and Scientists*

Figure 5-2
CATEGORY 1 PROPERTY
FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

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6.0 GLOSSARY OF TERMS

Acquisition. Obtaining, use, or control of real property by purchase, condemnation, donation, exchange, easement, lease revestment, and/or recapture.

Adjacent Property. (1) property adjacent to the installation boundary (i.e., having a contiguous border with the installation boundary) and (2) property within approximately 0.25 mile of the installation boundary with potential environmental concerns or properties located between 0.25 and 1.0 mile from the installation boundary with potential environmental concerns identified through the records search and/or visual inspection.

Asbestos. Six naturally occurring fibrous minerals found in certain types of rock formations. Of the six, the minerals chrysotile, amosite, and crocidolite have been most commonly used in building products. When mined and processed, asbestos is typically separated into very thin fibers. Because asbestos is strong, incombustible, and corrosion-resistant, asbestos was used in many commercial products beginning early in the twentieth century, and peaking in the period from World War II into the 1970s. When inhaled in sufficient quantities, asbestos fibers can cause serious health problems.

Asbestos Containing Material (ACM). Any material or product that contains more than 1 percent asbestos.

Environmental Baseline Survey (EBS). The depiction of the environmental condition of the installation at the time of its closure or of the survey.

Contaminants. Undesirable substances rendering something unfit for use.

Contamination. The degradation of water, air, or soil quality, either directly or indirectly, as a result of introduction of a hazardous substance.

Corrosive. A material that has the ability to cause visible destruction of living tissue and has a destructive effect on other substances. An acid or a base.

Disclosure Factors. Both Facility and Natural Resources Disclosure Factors which include hazardous substances and petroleum products which do not pose a threat to the well being of the human community or environment if managed and maintained properly; and structures or artifacts of historical or cultural interest, threatened or endangered species or their habitats,

unusual geologic or floodplain conditions, and/or valuable mineral resources which may affect the transfer or lease of property.

Disposal, Solid Waste: the [*intentional*] discharge, deposit, injection, dumping, spilling, leaking, or placing of any solid waste or hazardous waste into or on any land or water so that such solid waste or hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into and waters, including ground waters. (42 USC §6903-Solid Waste Disposal) [as used in the EBS].

Disposal, Property: Any authorized method of divesting U.S. Army control of, and responsibility for, real property.

Effluent. Waste material discharged into the environment.

Environmental Condition. The degree of presence of contaminants, structures or artifacts of historical or cultural interest, threatened or endangered species or their habitats, unusual geologic or floodplain conditions, or valuable mineral resources associated with the installation.

Environmental Professional. Environmental technicians, engineers, or scientists who are qualified by training and experience appropriate, to the field in question, to make technical and professional determinations.

Facility Disclosure Factors. Hazardous substances, petroleum products, or structures incorporating or associated with the use of hazardous substances or petroleum products which do not pose a threat to the well being of the human community and environment if managed and maintained properly.

Floodplain. The relatively flat land adjacent to a river channel that is covered by water when the river overflows its banks.

Friable. Easily crumbled or reduced into powder by hand pressure.

Groundwater. Water present on the soil surface that occupies voids in porous subsoil.

Hazardous Material. A substance or mixture of substances that has the capability of either causing or significantly contributing to an increase in mortality or an increase in serious irreversible or incapacitating reversible illness; or posing a substantial present or potential risk to human health or the environment. Use of these materials is regulated by the Department of Transportation, OSHA, and the Superfund Amendments and Reauthorization Act (SARA).

Hazardous Substance. (A) any substance designated pursuant to Section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to Section 9602 of this title, any hazardous waste having the characteristics identified under or listed pursuant to Section 3001 of the Solid Waste Disposal Act [42 USC §6921] (but not including any waste the regulation of which under the Solid Waste Disposal Act [42 USC §6921 et seq.] has been suspended by Act of Congress), (D) any toxic pollutant listed under Section 1317(a) of Title 33, (E) any hazardous air pollutant listed under Section 112 of the Clean Air Act [42 USC §7412], and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator has taken action pursuant to Section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous substance under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (42 USC §9601 - CERCLA §101(14)

Hazardous Substances and Petroleum Products. Chemicals or materials exhibiting characteristics defined in CERCLA §101(14) and listed in quantities identified in 40 CFR 302.4.

Hazardous waste (federal definition under RCRA, 42 USC §6903). RCRA defines hazardous waste as "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may pose a hazard to human health or the environment" (RCRA, Section 1004[5]). The USEPA has listed several wastes that are known to be hazardous. A waste can also be classified as a characteristic hazardous waste if it exhibits one or more of the four hazardous waste characteristics: ignitability, corrosivity, reactivity, or toxicity.

Herbicide. A pesticide, either organic or inorganic, used to destroy unwanted vegetation, especially various types of weeds, grasses, and woody plants.

Installation. The property identified in the Base Closure Act. The property may include the entire installation and remote locations, portions of the installation, or some of the remote locations supported by the installation.

Lead. A heavy metal, used in many industries, which can accumulate in the body and cause a variety of negative effects.

Lead-Based Paint. Paint that contains 0.06% lead content by weight in a dry film as established by the Consumer Products Safety Commission.

Natural Resources Disclosure Factors. Structures or artifacts of historical or cultural interest, threatened or endangered species or their habitats, unusual geologic or floodplain conditions, and/or valuable mineral resources which may affect the transfer or lease of property.

PCB-contaminated equipment. Equipment that contains a concentration of PCBs from 50 to 499 ppm and is regulated by USEPA.

PCB equipment. Equipment that contains a concentration of PCBs of 500 ppm or greater and is regulated by USEPA.

PCB items. Equipment that contains a concentration of PCBs from 5 to 49 ppm and is regulated by the state EPA.

Parcel. A quantity of land that is being considered for transfer or lease. The term as used in this SOW is synonymous with "site" and is not intended to represent a tract of land that has been surveyed by a licensed surveyor for which a legal description (Meets and Bounds Survey) of the tract has been or will be prepared.

Pesticides. Any substance, organic or inorganic, used to destroy or inhibit the action of plant or animal pests; the term thus includes insecticides, herbicides, fungicides, rodenticides, miticides, fumigants, and repellents. All pesticides are toxic to humans to a greater or lesser degree. Pesticides vary in biodegradability.

Physical Inspection. An olfactory and ocular observation; of the interior and exterior of a facility and its surrounding area, or of the environmental conditions in an area; noting the obvious or likely presence of or past use of hazardous substances or disclosure factors, as evidenced by the presence of structures associated with the use of hazardous substances or petroleum products; stressed vegetation; stains; structures or artifacts of historical or cultural importance; threatened or endangered species or their habitats; unusual geologic or floodplain conditions; or valuable mineral resources.

Polychlorinated Biphenyls (PCBs). Any of a family of industrial compounds produced by chlorination of biphenyls. These compounds accumulate in organisms and concentrate in the food chain with resultant pathogenic and teratogenic effects. They also decompose very slowly.

Professional Judgment. Sound determinations based upon established and accepted professional and technical principles.

Property Categorization Factors. Hazardous substances, petroleum products, or structures incorporating or associated with the use of hazardous substances or petroleum products that pose a specific risk or hazard to human health, safety, or the environment.

Release. Any [*unintentional*] spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other closed receptacles containing any hazardous substance or pollutant or contaminant), but excludes:

(a) any release that results in exposure to persons solely within a workplace, with respect to a claim that such persons may assert against the employer of such persons,

(b) emissions from the engine exhaust of a motor vehicle, rolling stock, aircraft, vessel, or pipeline pumping station engine,

(c) release of source, by-product, or special nuclear material from a nuclear incident, as those terms are defined in the Atomic Energy Act of 1954, if such release is subject to requirements with respect to financial protection established by the Nuclear Regulatory Commission (NRC) under Section 170 of such Act, or, for the purposes of Section 104 of this title or any other response action, any release of source by-product, or special nuclear material from any processing site designated under Section 102(a)(1) or 302(a) of the Uranium Mill Tailings Radiation Control Act of 1978, and

(d) the normal application of fertilizer.(42 USC §9601 - CERCLA) [as used in the EBS]

Storage. The holding of hazardous substances for a temporary period prior to the hazardous substances being used, treated, transported, or disposed of.

Transfer. Permits to other government agencies, donations, land exchanges, and transfers of federal government property accountability, easements, leases, or licenses.

Underground Storage Tank (UST). Any tank, including underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products, and the volume of which is 10 percent or more beneath the surface of the ground.

U.S. Environmental Protection Agency (USEPA). The independent federal agency, established in 1970, that regulates environmental matters and oversees the implementation of environmental laws.

Visual Inspection. An inspection of a contiguous property that included a windshield survey of the subject property from public access roads or installation property.

Visual Site Inspection (VSI). An olfactory and ocular observation; of the exterior of a facility and its surrounding area, or of the environmental conditions in an area; noting the obvious or likely presence or past use of hazardous substances or disclosure factors, as evidenced by the presence of structures associated with the use of hazardous substances or petroleum products; stressed vegetation; stains; structures or artifacts of historical or cultural importance; threatened or endangered species or their habitats; unusual geologic or floodplain conditions; or valuable mineral resources.

7.0 REFERENCES AND PERSONS CONTACTED

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7.2. PERSONS CONTACTED

88th Reserve Support Command
- Mr. Mark Buck, Environmental Division Chief
- Mr. Charles Skerjance, Environmental Scientist
- Ms. Ramona Reints, Northern Illinois Environmental Manager
- Mr. Roy McRae, Fort Dearborn USARC Facility Manager

814th Military Police
- SGT Meadows
- Master SGT Shea

822nd Military Police
- SGT Edginton
- SGT Dahms

APPENDICES

APPENDIX A
FOIA REQUESTS

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Chicago Historical Society
1601 N. Clark Street
Chicago, IL 60614-6099

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

The USARC occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport, as shown on the enclosed map. The USARC is located in an urbanized area, bounded on the south and west by O'Hare International Airport and on the north and east by commercial and industrial uses. The USARC was constructed in 1963 and consists of a two-story masonry office building and a one-story automotive maintenance garage. The entire property has been graded and landscaped, with areas not occupied by buildings and pavement consisting of maintained lawns with a few trees. Before its use for military activities, the USARC was an orchard.

We are interested in knowing whether prehistoric, historic, traditional (Native American), paleontological resources are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

U.S. Department of Interior
Fish and Wildlife Service
Chicago Illinois Field Office
1000 Hart Road, Suite 180
Barrington, IL 60010

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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We are interested in knowing whether any threatened/endangered species and sensitive habitats are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

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Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Illinois Department of Natural Resources
524 South Second Street
Room 400
Springfield, Illinois 62701-1787

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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Robert W. Suda, P.G.
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Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Department of Energy and Natural Resources
State Natural History Survey
607 E. Peabody
Springfield, Illinois 61820-6964

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

The USARC occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport, as shown on the enclosed map. The USARC is located in an urbanized area, bounded on the south and west by O'Hare International Airport and on the north and east by commercial and industrial uses. The USARC was constructed in 1963 and consists of a two-story masonry office building and a one-story automotive maintenance garage. The entire property has been graded and landscaped, with areas not occupied by buildings and pavement consisting of maintained lawns with a few trees. Before its use for military activities, the USARC was an orchard.

We are interested in knowing whether any threatened/endangered species and sensitive habitats are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

Illinois State Museum
Research & Collection Center
1011 E. Ash Street
Springfield, IL 62703

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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We are interested in knowing whether prehistoric, historic, traditional (Native American), paleontological resources are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

U.S. Department of Interior
National Park Service
Midwest Office
1709 Jackson Street
Omaha, NE 68102

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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Sincerely,

Robert W. Suda

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

State Historic Preservation Officer
Illinois Historic Preservation Agency
Illinois State Historical Society
1 Old State Capital Plaza
Springfield, IL 62701-1507

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

Northeastern Illinois Planning Commission
Research Services
222 S. Riverside Plaza
Suite 1800
Chicago, IL 60606

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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We are interested in knowing whether prime or unique farmlands and sensitive habitats are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Illinois Department of Agriculture
Division of Natural Resource
Bureau of Farmland Protection
State Fairgrounds
P.O. Box 19281
Springfield, IL 62794-9281

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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Sincerely,

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

U.S. Department of Agriculture
Natural Resources Conservation Service
North Cook County Soil Conservation District
1143 N. Seminary Ave.
Woodstock, IL 60098

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

Department of Energy and Natural Resources
State Geological Survey
615 E. Peabody Drive
Champaign, IL 61820-6964

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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We are interested in knowing whether any mineral resources are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Commission on Chicago Landmarks
320 N. Clark Street
Chicago, IL 60610

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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We are interested in knowing whether any historic resources are present in the area or do/could exist on the property. We are requesting a brief response as to whether a determination concerning these resources has been made and include any supporting documentation you feel is necessary. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

Illinois Department of Natural Resources
Mines and Minerals Department
300 W. Jefferson, Suite 300
Springfield, IL 62702

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

U.S. Army Corps of Engineers
Chicago District
111 N. Canal
Chicago, IL 60606-7200

Dear Madam or Sir:

On behalf of the U.S. Army Corps of Engineers - Louisville District, Harza Engineering Company is conducting an environmental assessment of the Ft Dearborn U.S. Army Reserve Center (USARC) located at 6540 N. Mannheim Road, Chicago, Illinois as part of the Base Realignment and Closure (BRAC) process. The assessment is being conducted in accordance with protocols established by the U.S. Army, which includes identification of cultural and natural resource disclosure factors.

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Our initial survey indicates there are no designated wetlands of the property, based on our observation of site conditions and review of the National Wetlands Inventory Maps, which indicated no wetlands on the property. We believe this evaluation is sufficient for purposes of the EBS, considering the site conditions described. However, we are requesting a brief response as to whether you feel further work may be necessary for a determination. Time is of the essence in this project and would appreciate receiving your response as soon as possible.

If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Encl.

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Ms. Diane Gountanis
FOIA Officer
USEPA, Region V
77 West Jackson Blvd.
Chicago, Illinois 60604-3590

Dear Ms. Gountanis:

We are sending you this Freedom of Information Act request regarding the existence of any record of air, water or land pollution complaints for the Ft. Dearborn U. S. Army Reserve Center located at 6540 N. Mannheim Road, Chicago, Illinois, 60606.

The property is occupied by the 88th Regional Support Command of the U.S. Army Reserve. The property occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport, as shown on the enclosed map.

We would appreciate receiving information about any citizen complaints, citations, permits (including aboveground and underground storage tanks), violations, spills, emergency response to spills, and any other environmental incidents that pertain to the subject property. We agree to incur a search fee of $75 or less, if necessary. If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

Ms. Cathy Bormida
FOIA Officer
Illinois State Fire Marshall
1035 Stevenson Drive
Springfield, Illinois 62703

Dear Ms. Bormida:

We are sending you this Freedom of Information Act request regarding the existence of any record of air, water or land pollution complaints for the Ft. Dearborn U. S. Army Reserve Center located at 6540 N. Mannheim Road, Chicago, Illinois, 60606.

The property is occupied by the 88th Regional Support Command of the U.S. Army Reserve. The property occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport, as shown on the enclosed map.

We would appreciate receiving information about any citizen complaints, citations, permits (including aboveground and underground storage tanks), violations, spills, emergency response to spills, and any other environmental incidents that pertain to the subject property. We agree to incur a search fee of $75 or less, if necessary. If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 13, 1999

Ms. Cathy Bormida
FOIA Officer
Illinois State Fire Marshall
1035 Stevenson Drive
Springfield, Illinois 62703

Dear Ms. Bormida:

As requested, please find the enclosed check for five dollars to process the Freedom of Information Act request regarding the existence of any record of air, water or land pollution complaints for the Ft. Dearborn U. S. Army Reserve Center located at 6540 N. Mannheim Road, Chicago, Illinois, 60606.

As previously indicated, the property is occupied by the 88th Regional Support Command of the U.S. Army Reserve. The property occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport

If you have any further questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

HARZA

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

April 8, 1999

Ms. Jan Ogden
FOIA Officer
Bureau of Land
Illinois Environmental Protection Agency
P.O. Box 19276
Springfield, Illinois 62794-9276

Dear Ms. Ogden:

We are sending you this Freedom of Information Act request regarding the existence of any record of air, water or land pollution complaints for the Ft. Dearborn U. S. Army Reserve Center located at 6540 N. Mannheim Road, Chicago, Illinois, 60606.

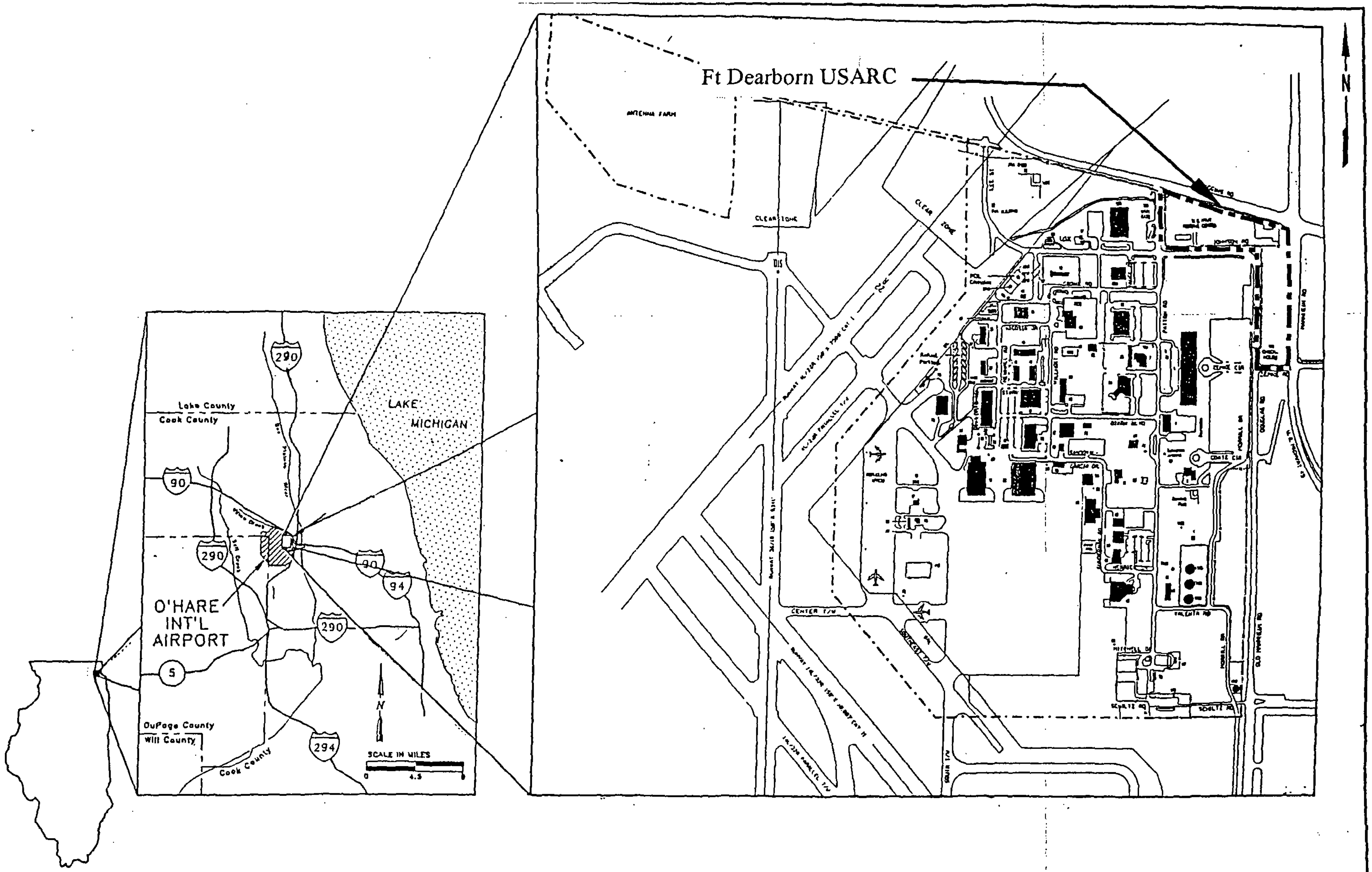
The property is occupied by the 88th Regional Support Command of the U.S. Army Reserve. The property occupies approximately 16 acres of land adjacent to the northeast part of O'Hare International Airport, as shown on the enclosed map.

We would appreciate receiving information about any citizen complaints, citations, permits (including aboveground and underground storage tanks), violations, spills, emergency response to spills, and any other environmental incidents that pertain to the subject property. We agree to incur a search fee of $75 or less, if necessary. Also, please forward this request to the Bureaus of Water and Air. If you have any questions, please contact me at (312) 831-3841. Please include project number 5644GM100 on your response. Thank you for your assistance.

Sincerely,

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com



HARZA Engineering Company

APPENDIX B

FOIA RESPONSES

HARZA

HARZA ENGINEERING COMPANY

WATER & ENVIRONMENT

April 8, 1999

no check enc.

Ms. Cathy Bormida
FOIA Officer
Illinois State Fire Marshall
1035 Stevenson Drive
Springfield, Illinois 62703

Dear Ms. Bormida:

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Sincerely,

Robert W. Suda, P.G.
Project Manager

Sears Tower 233 South Wacker Drive Chicago, Illinois 60606-6392 Tel: 312.831.3000 Fax: 312.831.3999 Web: www.harza.com

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
AIR AND RADIATION DIVISION
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

Reply To The Attention Of:

AR-18J

APR 14 1999

Robert W. Suda, P.G., Project Manager
HARZA Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Re: Freedom of Information Act Request
05-RIN-01386-99

Dear Mr. Suda:

This is the Air and Radiation Division's (ARD) response to your Freedom of Information Act request dated April 08, 1999, in which you requested from the United States Environmental Protection Agency (USEPA) any and all information pertaining to the facility listed below:

Ft. Dearborn U.S. Army Reserve Center
6540 North Mannheim Road
Chicago, Illinois 60606

We have searched the ARD files and find no information pertaining to your request. You will receive separate responses from other divisions of the USEPA with regard to your request. If there are any charges for search, review, or reproduction of material, you will receive a combined bill from the Superfund Division of the USEPA. If you consider this response to be a denial, you may appeal it by addressing your written appeal to the Freedom of Information Officer (A-101), USEPA, 401 M Street, SW, Washington, DC 20460.

With regard to permits, while the USEPA retains Federal oversight of the air permitting programs, the actual issuance of permits is the responsibility of a State or local agency. Currently, the Illinois Environmental Protection Agency issues State air permits. Any questions regarding the specifics of permit conditions, status of permits, and any additional information relating to the issuance of permits should be directed to the State, as they have a complete record of all permits issued.

A copy of any air permits may be obtained by contacting the following individual by telephone or mail:

Donald Sutton, Manager, Permits Section
Division of Air Pollution Control
Illinois Environmental Protection Agency
P. O. Box 19506
1021 North Grand Avenue East
Springfield, Illinois 62794-9506
(217) 782-2113

If you have any questions regarding this response, please contact Noreen Weimer, of my staff, at (312) 353-8655.

Sincerely yours,

Cheryl L. Newton, Acting Chief
Air Programs Branch

City of Chicago
Richard M. Daley, Mayor

Department of Planning
and Development

Christopher R. Hill
Commissioner

320 North Clark Street
Room 516
Chicago, Illinois 60610-4711
(312) 744-3200 (Voice)
(312) 744-9140 (FAX)
(312) 744-2958 (TTY)

http://www.ci.chi.il.us

April 15, 1999

Robert W. Suda, P.G.
Project Manager
Harza Engineering Company
Sears Tower
233 S. Wacker Dr.
Chicago, IL 60606-6392

RE: #5644GM100

Dear Mr. Suda,

In response to your letter of April 8, 1999 requesting information about historic resources on a 16-acre site occupied by the Ft. Dearborn U.S. Army Reserve Center (6540 N. Mannheim Road), we would direct you to two possible resources:

- *Information about pre-1940 resources.* Please review the "Chicago Historic Resources Survey" (1996; out of print), which was prepared by the City of Chicago's Department of Planning and Development. Copies are available at all branches of the Chicago Public Library. The survey information is organized according to the city's 77 community areas.

- *Information about post-1940 resources.* I would suggest that you contact a professional architectural historian who has done this type of historic/architectural assessment. If you would like the names of communities who have hired surveyors recently, please contact me at 312-744-4257.

Also attached is a copy of a January 20, 1998 letter that was sent to Daniel M. Fleming (O'Hare Transition Office Coordinator) by our office. It concerns our assessment of the historic resources on the U.S. Air Force's 352-acre site, which is located adjacent to O'Hare Airport. If your site is part of that property, our field survey results would be applicable. If it is not, I would suggest that you contact an independent historical surveyor in order to make an accurate determination.

Sincerely,

James Peters
Deputy Commissioner
Landmarks Division

cc: Timothy Barton, DPD-Research

City of Chicago
Richard M. Daley, Mayor

Department of Planning
and Development

Christopher R. Hill
Commissioner

320 North Clark Street
Room 516
Chicago, Illinois 60610-4711
(312) 744-3200 (Voice)
(312) 744-9140 (FAX)
(312) 744-2958 (TTY)

http://www.ci.chi.il.us

January 20, 1998

Daniel M. Fleming
Base Transition Coordinator
O'Hare Transition Office
6596 N. Patton Road
P.O. Box 66486
O'Hare IAP ARS, IL 60666-5022

(By Fax to: ph. # 773-825-6386)

Dear Col. Fleming,

As requested, we have reviewed the findings of the *Chicago Historic Resources Survey,* as related to the U.S. Air Force's 352-acre site adjacent to O'Hare Field. According to the survey, there are no historic or architecturally significant sites within the outlined project area.

That finding has been corroborated by a recent field survey of the site conducted by DPD-Landmarks staff. Based on historic aerial photography and a windshield survey, staff confirms that there are no pre- **or post-1940** significant resources located in the project area.

If you have any further questions, please contact myself or Jim Peters at 312-744-4257. We will assume that you will be directing copies of this correspondence to the appropriate parties.

Sincerely,

Charles Thurow
Deputy Commissioner
Landmarks Division

Originated by:

James Peters, Senior Planner

State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

[redacted]

P. O. Box 19506, Springfield, IL 62794-950

(217)782-2113

April 16, 1999

Harza Engineering Company
Attn: Robert Suda
233 S Wacker Drive, Sears Tower
Chicago, IL 606066392

Re: FOIA Request Received 04/15/99

Dear Mr. Suda:

The IEPA Bureau of Air does not have any files or permits for the facility(s) listed below.

Ft Dearborn US Army Reserve Center 6540 N Mannheim Rd Chicago

If you have any questions please feel free to contact FOIA Unit Personnel at the number indicated above.

Sincerely,

Donald E Sutton

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

217-782-2137

Response to FOIA Request For Information
Request # FOIA-WPC-REC-99-583
Transmittal of Information

April 19, 1999

Mr. Robert W. Suda
Project Manager
Harza Engineering Company
Sears Tower 233 South Wacker Drive
Chicago, IL 60606-6392

Re: U. S. Army Reserve Center-6540 N. Mannheim Road, Chicago

Dear Mr. Suda:

The Records Unit, Division of Water Pollution Control, has processed your request for information.

The information you requested from the above referenced Water Pollution Control files is enclosed.

Please contact us if we may be of further assistance.

Sincerely,

Sharyn K. Haney

Sharyn K. Haney
Records Unit Manager/FOIA Coordinator
Division of Water Pollution Control
Bureau of Water

Enclosure - NPDES Permit No. IL0032948 issued 1-14-74 & terminated 10-05-77

INFORMATION TO BE CONTAINED ON NPDES MICROFILM JACKET

OWNERSHIP TYPE: FED FACILITY TYPE: 4

1. DIVISION CODE 4

2. FIPS COUNTY CODE 031

3. CITY/TOWNSHIP CODE 500

4. GOVERNING BODY CODE 93150

5. PERMITTEE NAME (FILE SUBJECT)

ARMY RESERVE CENTER-CHICAGO / 0174

6. FILE DIVISION 13

7. NPDES NUMBER ILD032948

OTHER INFORMATION NECESSARY FOR CROSS-REFERENCING

8. GOVERNING BODY NAME
US DEPT OF ARMY

F/S/P CODE

10. DATE IDENTIFIED IN THE FIELD REFERS TO:

A. PERMIT ISSUE DATE 01-14-74

B. PERMIT CANCELLATION DATE 10-05-77

C. NO PERMIT REQUIRED DATE

11. PERMIT EXPIRATION DATE 01-06-78

IF THIS PERMIT HAS BEEN CANCELED OR TERMINATED, SUCH INFORMATION WILL APPEAR AT END OF THE PERMIT.

DWPC Records Unit
ADM 1080 8/78 2M

FINAL PERMIT
F-6-73

JAN 14 1974

RECEIVED IN THE
OFFICE OF THE DIRECTOR

JAN 23 1974 | 1 |

The Commander
U. S. Army DFAE
Fort Sheridan, Illinois 60037

ATTN: Mr. A. L. Atchison

Re: NPDES Permits

PERMIT CANCELED
10-05-77

Dear Sir:

Your applications for National Pollutant Discharge Elimination System (NPDES) Permits have been processed in accordance with Section 402 and 405 of the Federal Water Pollution Control Act Amendments of 1972, P.L. 92-500, October 18, 1972 (33 U.S.C. Section 1251 et. seq.).

The following NPDES Permits are enclosed:

NPDES Application No.	NPDES Permit No.	Receiving Water	Location
IL 0032913	IL 0032913	Open Storm Ditch	Waukegan
IL 0032921 X	IL 0032921	Open Storm Ditch	Aurora X
IL 0032930	IL 0032930	Road Side Ditch	Kankakee
IL 0032948	IL 0032948	Open Ditch	Chicago
IL 0032956	IL 0032956	Open Storm Ditch	Harvey
IL 0032964 X	IL 0032964	Tributary to Cal Sag Channel	Palos Heights
IL 0032972	IL 0032972	Skokie Lagoons	Northfield
IL 0032981	IL 0032981	Unnamed Swamp	Lombard
IL 0032999	IL 0032999	Tributary of Marley Creek	Orlando Park

All discharges authorized from these facilities shall be consistent with the terms and conditions of these Permits.

Very truly yours,

ORIGINAL SIGNED BY DALE S. BRYSON

Dale S. Bryson
Acting Director, Enforcement Division

Enclosures
Permits
Reporting Forms

cc: Mr. Jeffrey Diver, Acting Director, Illinois Environmental Protection Agency, w/permits ATTN: Mr. Jack Park

A. Prietz, Director, Office of Permits Programs, w/permits

Chief, Data Management Sections, w/permits
(through (1) K. Marogol (2) T. Voltaggio)

Permit No. IL 00329[illegible]

Application No. IL 0032948

AUTHORIZATION TO DISCHARGE UNDER THE

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq.; the "Act"),

U.S. ARMY DFAE, FORT SHERIDAN

is authorized to discharge from a facility located at

U.S. Army Reserve Center, Vehicle Wash Racks
6540 North Mannheim Road
Chicago, Illinois

to receiving waters named

Open Ditch

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective on the date of issuing authority's signature.

This permit and the authorization to discharge shall expire at midnight, January 6, 1978 Permittee shall not discharge after the above date of expiration. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information, forms, and fees as are required by the Agency authorized to issue NPDES permits no later than 180 days prior to the above date of expiration.

Signed this JAN 14 1974

Dale S Bowman

Acting Director, Enforcement Division

Permit No. IL 0032948

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until June 30, 1977 the permittee is authorized to discharge from outfall(s) serial number(s) 001,002

The total of the discharges from all of these outfalls shall not exceed the limitations specified below. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS kg/day (lbs/day)		Other Units (Specify)		MONITORING REQUIREMENTS	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow-M^3/Day (MGD)	-	-	-	-	Monthly	Average-Three Measurements
Suspended Solids	-	-	30 mg/l	45 mg/l	Monthly	Grab
Oil and Grease	-	-	-	10 mg/l	Monthly	Grab
Phosphate	-	-	10 mg/l	20 mg/l	Monthly	Grab

2. The pH shall not be less than 6.0 nor greater than 8.5 and shall be monitored on each sample.

3. There shall be no discharge of floating solids or visible foam in other than trace amounts.

4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Discharge point prior to mixing with open ditch water.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning July 1, 1977 and lasting until Januray 6, 1978 the permittee is authorized to discharge from outfall(s) serial number(s) 001, 002

The total of the discharges from all of these outfalls shall not exceed the limitations specified below. Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTIC	DISCHARGE LIMITATIONS kg/day (lbs/day)		Other Units (Specify)		MONITORING REQUIREMENTS	
	Daily Avg	Daily Max	Daily Avg	Daily Max	Measurement Frequency	Sample Type
Flow-M^3/Day (MGD)	-	-	-	-	Monthly	Average-Three Measurements
Suspended Solids	-	-	10 mg/l	20 mg/l	Monthly	Grab
Oil and Grease	-	-	-	10 mg/l	Monthly	Grab
Phosphate	-	-	1.0 mg/l	1.5 mg/l	Monthly	Grab

2. The pH shall not be less than 6.0 nor greater than 8.5 and shall be monitored on each sample.

3. There shall be no discharge of floating solids or visible foam in other than trace amounts.

4. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Dischage point prior to mixing with open ditch water.

B. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previousthree months shall be summarized and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on July 28, 1974 . Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

U. S. Environmental Protection Agency
Region V, Permit Branch
1 North Wacker Drive
Chicago, Illinois 60606
312-353-1346

Environmental Protection Agency
State of Illinois
2200 Churchill Road
Springfield, Illinois 62706
217-525-6171

The report to the State is for information purposes only.

3. Definitions

a. The "daily average" concentration means the arithmetic average (weighted by flow value) of all the daily determinations of concentration made during a calendar month. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used. the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during that calendar day.

b. The "daily maximum" concentration means the daily determination of concentration for any calendar day.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

a. The exact place, date, and time of sampling;

b. The dates the analyses were performed;

c. The person(s) who performed the analyses;

d. The analytical techniques or methods used; and

e. The results of all required analyses.

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report From (EPA No. 3320-1). Such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

C. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

Progress Report (Preliminary Plans)	July 1, 1974
Report of Funding Progress	January 1, 1975
Final Funding	September 1, 1975
Completion of Final Plans	January 1, 1976
Commencement of Construction	April 1, 1976
Report on Construction Progress by	January 1, 1977
Completion of Construction by	May 1, 1977
Attainment of Operational Level by	July 1, 1977
	7-31-77

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncomplicance. In the latter case, the notice shall include the cause of non-compliance, any remedial actions taken, and the probability of meeting the next scheduled requirements.

PART II

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

a. A description of the discharge and cause of noncompliance; and

b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

The information to the State is for informing purposes only.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life of severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. Power Failures

In order to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall either:

a. In accordance with the Schedule of Compliance contained in Part I, provide an alternative power source sufficient to operate the wastewater control facilities;

or, if no date for implementation appears in Part I,

b. Halt, reduce or otherwise control production and/or all discharges upon the reduction, loss, or failure of one or more of the primary sources of power to the wastewater control facilities.

B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the Regional Administrator, or his authorized representatives, upon the presentation of credentials:

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any changes in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the autnorized discharge.

5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

PERMIT

CANCELED

561 3001473

DWPC Records Unit

IL 532-0487
ADM 1082 8/78

INFORMATION TO BE CONTAINED ON NPDES MICROFILM JACKET

JURISDICTIONAL CODE: FED FACILITY TYPE: 4

1. DIVISION CODE N

2. FIPS COUNTY CODE 031

3. CITY/TOWNSHIP CODE 600

4. GOVERNING BODY CODE 93150

5. PERMITTEE NAME (FILE SUBJECT)

ARMY RESERVE CENTER-CHICAGO / 0174

6. FILE DIVISION 16

7. NPDES NUMBER ILD032948

OTHER INFORMATION NECESSARY FOR CROSS-REFERENCING

8. GOVERNING BODY NAME
US DEPT OF ARMY

F/S/P CODE - - - -
- - - - - - - -

10. DATE IDENTIFIED IN THE FIELD REFERS TO:

A. PERMIT ISSUE DATE 01-14-74

B. PERMIT CANCELLATION DATE 10-05-77

C. NO PERMIT REQUIRED DATE - -
- - - - - -

11. PERMIT EXPIRATION DATE 01-06-78

FEDERAL FACILITY

Form Approved
OMB No. 158-R0095

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
APPLICATION FOR PERMIT TO DISCHARGE - SHORT FORM D

FOR AGENCY USE

APPLICATION NUMBER
1 4 0 0 3 2 9 4 8
DATE RECEIVED
7 3 / / / /
YEAR MO. DAY

To be filed only by services, wholesale and retail trade, and other commercial establishments including vessels

Do not attempt to complete this form without reading the accompanying instructions

Please print or type

1. Name, address, and telephone number of facility producing discharge

A. Name UNITED STATES ARMY RESERVE CENTER

B. Street address 6540 NORTH MANNHEIM ROAD

C. City CHICAGO D. State ILLINOIS

E. County COOK F. ZIP 60666

G. Telephone No. 312 694-3031
Area Code

ADDRESS CORRESPONDENCE TO:
DPAE BUILDING NO. 119
Fort Sheridan, Ill.

2. SIC [ ][ ][ ][ ]
(Leave blank)

3. Number of employees 50 EFFECTIVE POPULATION

4. Nature of business UNITED STATES ARMY RESERVE TRAINING CENTER

5. (a) Check here if discharge occurs all year ☐, or

(b) Check the month(s) discharge occurs:

1. ☐ January 2. ☐ February 3. ☐ March 4. ☐ April 5. ☐ May
6. ☐ June 7. ☐ July 8. ☐ August 9. ☐ September 10. ☐ October
11. ☐ November 12. ☐ December

(c) How many days per week:

1. ☐ 1 2. ☐ 2-3 3. ☐ 4-5 4. ☒ 6-7

6. Types of waste water discharged to surface waters only (check as applicable)

Discharge per operating day	Flow, gallons per operating day					Volume treated before discharging (percent)				
	0.1-999 (1)	1000-4999 (2)	5000-9999 (3)	10,000-49,999 (4)	50,000 or more (5)	None (6)	0.1-29.9 (7)	30-64.9 (8)	65-94.9 (9)	95-100 (10)
A. Sanitary, daily average										
B. Cooling water, etc., daily average										
C. Other discharge(s), daily average; Specify	X VEHICLE WASH RACK					X				
D. Maximum per operating day for combined discharge (all types)										

EPA Form 7550-9 (1-73)

7. If any of the types of waste [illegible] in item 6, either treated or untreated, are discharged to [illegible] than surface waters, check below as applicable.

Waste water is discharged to:	0.1-999 (1)	1000-4999 (2)	5000-9999 (3)	10,000-49,999 (4)	50,000 or more (5)
A. Municipal sewer system		X			
B. Underground well					
C. Septic tank					
D. Evaporation lagoon or pond					
E. Other, specify:					

8. Number of separate discharge points:

A. ☐ 1 B. ☒ 2-3 C. ☐ 4-5 D. ☐ 6 or more

9. Name of receiving water or waters OPEN DITCH

10. Does your discharge contain or is it possible for your discharge to contain one or more of the following substances added as a result of your operations, activities, or processes: ammonia, cyanide, aluminum, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual)

A. ☒ yes B. ☐ no

I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate.

CHARLES L. TINBLIN
Deputy Director of Facilities Engineering
Printed Name of Person Signing

5 JUL 1973 Title

Date Application Signed

Signature of Applicant

RECEIVED
JUL 09 1973
RAPP
EPA, REGION V

18 U.S.C. Section 1001 provides that:

Whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious, or fraudulent statements or representations; or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than $10,000 or imprisoned not more than 5 years, or both.

EPA Form 7550-9 (1-73) (Reverse)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2200 Churchill Road
62706

Springfield, Illinois
Phone: (217) 525-6171

January 28, 1974

U. S. ARMY DFAE, FORT SHERIDAN
(N.Mannheim Road, Chicago) (Cook County)

Tentative Certification and Comme
for the Purpose of Public Notice
NPDES #6-73

Mr. A. H. Manzardo
U. S. Environmental Protection Agency
Region V
1 North Wacker Drive
Chicago, Illinois 60606

Dear Mr. Manzardo:

We have reviewed the application for NPDES Permit submitted by the above referenced permittee and the draft permit. (USEPA Application No. IL 0032948)

We are now requesting that Surveillance staff make field determinations and evaluation of the subject existing discharge.

Based on our review to date, we expect to be able to provide certification of the permit in accordance with the provisions of Section 401 of the Federal Water Pollut Control Act Amendments of 1972 at the time the permit is to be issued. Our certifi tion will follow our standard form.

We do note, however, a discrepancy in the draft NPDES permit as a result of our rev of this document. The public notice and the finalized NPDES permit must reflect co tions of this discrepancy which is itemized below.

> Present Illinois effluent standards (Rule 408) limit the suspended solids concentration to 15 mg/l. The proposed effluent limitations must reflect this.

Compliance with the effluent standards of Rule 408 at a date later than December 31 1973, requires a variance from the Illinois Pollution Control Board.

We recommend that the measurement frequency for all contaminants be changed from monthly, to weekly.

We have furnished tentative certification for the subject project. However, the ab listed item must be taken into consideration and where applicable, the NPDES permit modified before consideration of final certification can be made.

January 25, 1974

U. S. ARMY CFAE, FORT SHERIDAN (N. Sheridan Road, Chicago) (Cook County) NPDES #0-73

On this basis, please feel free to proceed to publish a joint public notice stating that the Illinois Environmental Protection Agency, after review of all additional information, comments and objections,

> "also proposes to issue a certification pursuant to Section 401 of the Federal Water Pollution Act, as amended, provided that the applicant's waste treatment facilities have the demonstrated capability of producing an effluent discharge that will be in compliance with the Illinois Environmental Protection Act and applicable regulations of the Illinois Pollution Control Board."

If the continued Agency review and evaluation or public input during the public notice period reveals additional information on the subject discharge, the Agency may change its position. In particular, if the Agency discovers that the applicant is not in compliance with applicable Illinois requirements, certification will be denied unless the applicant secures a variance from the Pollution Control Board.

If you have any questions about the Agency's position with respect to this permit, please call Eric Gredell at (312) 793-5632.

Very truly yours,

Michael Mauzy
Division Manager
Division of Water Pollution Control

TEG:eh

CC - EPA, Permit Section Springfield
- EPA, Permit Section Chicago
- EPA, Enforcement Services Section
- EPA, Surveillance Section
- USEPA - Gary Schenzel

Permit No.: IL0032948

Application No.: IL0032948

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

DISCHARGE PERMIT

In reference to the above application for a permit to discharge in compliance with the provisions of the Federal Water Pollution Control Act, as amended by the Federal Water Pollution Control Act Amendments of 1972, P.L. 92-500, October 18, 1972, (33 U.S.C. §1251 et seq.) (hereinafter referred to as "the Act"),

U.S. ARMY DFAE, FORT SHERIDAN

is authorized to discharge from ITS WASTEWATER TREATMENT FACILITIES AT US ARMY RESERVE CENTER 4540 NORTH MANNHEIM ROAD, CHICAGO, ILL.

to receiving waters named OPEN DITCH

in accordance with the effluent limitations and monitoring requirements, and other conditions set forth in Attachments 'A' and 'B'.

This permit shall become effective on the date of issuing authority's signature.

This permit and the authorization to discharge shall expire at midnight, . Permittee shall not discharge after the above date of expiration. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information, forms, and fees as are required by the Agency authorized to issue NPDES permits no later than 180 days prior to the above date of expiration.

Signed this day of

Schedule of Compliance for Effluent Limitations

Permittee shall achieve compliance with the effluent limitations specified for discharges from outfall(s) serial in accordance with the following schedule:

Report of Progress (Preliminary Plans)	-	April 1, 1974
Report of Funding Progress	-	November 1, 1974
Final Funding	-	August 1, 1975
Completion of Final Plans by	-	November 1, 1975
Commencement of Construction by	-	April 1, 1976
Report of Construction Progress	-	January 1, 1977
Completion of Construction by	-	May 1, 1977
Attainment of Operation Level by	-	July 1, 1977

The permittee shall submit to the permit issuing authority any required report of progress or, where a specific action is required in the compliance schedule to be taken by a certain date, a written notice of compliance or noncompliance with each of the schedule dates, postmarked no later than 14 calendar days following each elapsed date. Each notice of noncompliance shall include the following information:

a. A description of the noncompliance and its cause;

b. Actions taken or proposed by the permittee to comply with the elapsed schedule requirement without further delay; and

c. An estimate of the date permittee will comply with the elapsed schedule requirement and an assessment of the probability that permittee will meet the next scheduled requirement on time.

Permit No. IL0032948 Page of

The results of monitoring activities required by this permit shall be summarized and reported by submitting a Discharge Monitoring Report Form [EPA Form 3320-1(10-72)], properly filled in and signed to the Regional Administrator [redacted] at the following addresses:

Permit No. IL0032948

Page of

ATTACHMENT 'A'

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning WITH THE EFFECTIVE DATE OF THIS PERMIT and lasting until JUNE 30, 1977 the permittee is authorized to discharge from outfall(s) serial 001 AND 002. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Daily Average	Daily Maximum	Other Limitation (Specify Unit) Average	Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow M^3/Day (MGD)	N/A	N/A	N/A	N/A		
SUSPENDED SOLIDS			30	45	MONTHLY	GRAB
OIL AND GREASE			—	10	MONTHLY	GRAB
PHOSPHATE			10	20	MONTHLY	GRAB

The daily average discharge is defined as the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.
The daily maximum discharge means the total discharge by weight during any calendar day.
The pH shall not be less than 6.0 nor greater than 8.5. The pH shall be monitored as follows: FOR EACH SAMPLE

Samples taken in compliance with the monitoring requirements, above, shall be taken at the following location(s): AT THE DISCHARGE POINT PRIOR TO MIXING WITH OPEN DITCH WATER.

Monitoring reports shall summarize monitoring results obtained during the previous THREE months, and shall be postmarked no later than the 28th day of the month following each completed reporting period. The first report shall be submitted on ON BEFORE APRIL 28, 1974

The permittee shall not discharge floating solids or visible foam in other than trace amounts.

Permit No. IL0032948

Page of

ATTACHMENT 'A'

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning JULY 1, 1977 and lasting until THE EXPIRATION DATE OF THIS PERMIT the permittee is authorized to discharge from outfall(s) serial 001 AND 002. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations kg/day (lbs/day) Daily Average	Daily Maximum	Other Limitation (Specify Unit) Average	Maximum	Monitoring Requirements Measurement Frequency	Sample Type
Flow MGD/Day (MGD)	N/A	N/A	N/A	N/A		
SUSPENDED SOLIDS			10	20	MONTHLY	GRAB
OIL AND GREASE			—	10	MONTHLY	GRAB
PHOSPHATE			1.0	1.5	MONTHLY	GRAB

The daily average discharge is defined as the total discharge by weight during a calendar month divided by the number of days in the month that the production or commercial facility was operating.
The daily maximum discharge means the total discharge by weight during any calendar day.
The pH shall not be less than 6.0 nor greater than 8.5. The pH shall be monitored as follows: FOR EACH SAMPLE

Samples taken in compliance with the monitoring requirements, above, shall be taken at the following location(s): AT THE DISCHARGE POINT PRIOR TO MIXING WITH THE OPEN DITCH WATER

Monitoring reports shall summarize monitoring results obtained during the previous THREE months, and shall be postmarked no later than the 28th day of the month following each completed reporting period. The first report shall be submitted on or BEFORE OCTOBER 28, 1977

The permittee shall not discharge floating solids or visible foam in other than trace amounts.

ATTACHMENT 'B'

1. All discharges authorized herein shall be consistent with the terms and conditions of this permit; anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such new, different, or increased discharge will not violate the effluent limitations specified in this permit, by submission to the permit issuing authority of notice of such new, different, or increased discharges of pollutants (in which case the permit may be modified to specify effluent limitations for any pollutants not identified and limited herein); the discharge of any pollutant identified by this permit more frequently than or at a level in excess of that authorized by this permit shall consititute a violation of the terms and conditions of this permit.

2. The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

3. The permittee shall allow [redacted] the Regional Administrator, [redacted] or [redacted] authorized representatives, upon the presentation of credentials: his

a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit;

b. To have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit;

c. To inspect at reasonable times any monitoring equipment or monitoring method required in this permit;

d. To sample at reasonable times any discharge of pollutants.

4. In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator.

5. The diversion from, or bypass of, facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations

and prohibitions of this permit. The permittee shall promptly notify the permit issuing authority in writing of each such diversion or bypass in accordance with the procedure specified above for reporting noncompliance.

6. Solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters shall be disposed of in such manner as to prevent any pollutant from such materials from entering navigable waters.

7. If for any reason the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the permit issuing authority with the following information in writing within five days of becoming aware of the condition:

a. A description, of the noncomplying discharge and its cause;

b. The period of noncompliance including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken by the permittee to reduce and eliminate the noncomplying discharge.

c. Steps to be taken by the permittee to prevent recurrence of the noncompliance.

8. Permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

9. The permittee shall either:

a. Provide an alternative power source sufficient to operate facilities utilized by permittee to maintain compliance with the effluent limitations and prohibitions of this permit which provision shall be indicated in this permit by inclusion of a specific compliance date in each appropriate "Schedule of Compliance for Effluent Limitations"; or

b. Upon the reduction, loss, or failure of one or more of the primary sources of power to facilities utilized by the permittee to maintain compliance with the effluent limitations and prohibitions of this permit, the permittee shall halt, reduce or otherwise control production and/or all discharge in order to maintain compliance with the effluent limitations and prohibitions of this permit.

10. Unless otherwise specified, the permittee shall submit duplicate signed copies of all reports to [redacted] the Regional Administrator. Except for data determined to be confidential under Section 308 of the Act, all such reports shall be available for public inspection at the offices of [redacted] the Regional Administrator. Effluent data will not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

11. Samples and measurements taken to meet the monitoring requirements specified herein shall be representative of the volume and nature of the monitored discharge.

12. The permittee shall record for each measurement or sample taken pursuant to the requirements of this permit the following information:

a. The date, exact place, and time of sampling;

b. The dates the analyses were performed;

c. Who performed the analyses;

d. The analytical techniques or methods used; and,

e. The results of all required analyses.

13. If the permittee monitors any pollutant at the location designated in Effluent Limitations and Monitoring Requirements conditions herein more frequently than is required by this permit, using approved analytical methods as specified above, he shall include the results of such monitoring in the calculation and reporting of the values required in the Discharge Monitoring Report Form [EPA Form 3320-1(10-72)]. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

14. All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and strip chart recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years. This period of retention shall be extended [redacted] when requested by the Regional Administrator [redacted]

15. Following promulgation of guidelines establishing test procedures for the analysis of pollutants, published pursuant to Section 304(g) of the Federal Water Pollution Control Act, as amended, all sampling and analytical methods used to comply with the monitoring requirements specified herein shall conform to such guidelines. If the Section 304(g) guidelines do not specify test procedures for any pollutants required to be monitored by this permit and until such guidelines are promulgated, sampling and analytical methods used to meet the monitoring requirements specified in this permit shall, unless otherwise specified by the Regional Administrator, conform to the latest edition of one or more of the following references:

a. Standard Methods for the Examination of Water and Wastewater, 13th Edition, 1971, American Public Health Association, New York, New York 10019.

b. A.S.T.M. Standards, Part 23, Water; Atmospheric Analysis 1972, American Society for Testing Materials, Philadelphia, Pennsylvania 19103.

c. Methods for Chemical Analysis of Water and Wastes, April 1971, Environmental Protection Agency Water Quality Office, Analytical Quality Control Laboratory, NERC, Cincinnati, Ohio 45268.

16. After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

a. Violation of any terms or conditions of this permit;

b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;

c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

17. Notwithstanding (16) above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under section 307(a) of the Act for a toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee shall be so notified.

18. Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance, whether or not such noncompliance is due to factors beyond his control, such as accident, equipment breakdown, or labor dispute.

19. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the Federal Water Pollution Control Act, as amended.

20. Nothing in this permit shall be construed to preclude the institution of any legal action nor relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by section 510 of the Federal Water Pollution Control Act, as amended.

21. This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

22. The issuance of this permit does not AUTHORIZE any infringement of Federal, State or local laws or regulations.

23. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

February 5, 1974 217-525-6171

RICHARD H. BRICELAND, DIRECTOR

U. S. ARMY DFAE, FORT SHERIDAN - Comments on Draft NPDES Permit
(N. Mannheim Road, Chicago) Illinois Log #NPDES (F)6-73
(Cook County) USEPA Application #IL 0032948

Mrs. Carolyn Cates
Region V, Permit Branch
U. S. Environmental Protection Agency
1 North Wacker Drive
Chicago, Illinois 60606

Dear Mrs. Cates:

This Agency has reviewed the proposed draft permit for the subject discharge and offers the following comments:

1. Present Illinois effluent standards (Rule 408) limit the suspended solids concentration to 15 mg/l. The proposed effluent limitations must reflect this.

2. Compliance with the effluent standards of Rule 408 at a date later than December 31, 1973, requires a variance from the Illinois Pollution Control Board.

3. We recommend that the measurement frequency for all contaminants be changed from monthly, to weekly.

These comments should be incorporated into the final NPDES permit to insure consistency with State of Illinois environmental regulations.

If you have any questions or comments, please advise.

Very truly yours,

DIVISION OF WATER POLLUTION CONTROL

James B. Park
Federal Permit Liaison
Permit Section

TEG:fc

cc: USEPA, Region V, Permit Branch
Surveillance Section (2)
Enforcement Services Section (B. Sidler)
NPDES File ✓
Standards Section

United States Department of the Interior

IN REPLY REFER TO.

FISH AND WILDLIFE SERVICE
Chicago Illinois Field Office
1000 Hart Road - Suite 180
Barrington, Illinois 60010
847-381-2253 Fax 847-381-2285

FWS/AES-CIFO

April 20, 1999

Robert W. Suda
Project Manager
Harza Engineering Company
233 South Wacker Drive
Chicago, Illinois 60606-6392

RE: Project No. 5644GM100

Dear Mr. Suda:

This is in response to your letter dated April 8, 1999, requesting information on endangered or threatened species at the Fort Dearborn U.S. Army Reserve Center located at 6540 N. Mannheim Road, Chicago, Illinois.

Based on the information provided in the submittal and a review of our records, we do not believe that any federally endangered or threatened species occur in the immediate vicinity of the site. Based on the information provided, it does not appear that the project is likely to adversely affect such species. This precludes the need for further action on the project site as required under the Endangered Species Act of 1973, as amended. Should project modifications or new information indicate that endangered or threatened species may be affected and the proposed project is authorized, funded, or carried out by a federal agency, then consultation with the Service should be initiated by the federal action agency.

If you have any questions, please contact Ms. Louise Clemency, at 847/381-2253, ext. 215.

Sincerely,

John D. Rogner
Field Supervisor

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:
WC-15J

APR 21 1999

Robert W. Suda
HARZA ENGINEERING COMPANY
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Subject: Freedom of Information Act Request
(Identification No. 05-RIN-01386-99)

Dear Mr. Suda:

This is a *partial* response to your subject request dated April 8, 1999, for any information or complaints related to:

Ft. Dearborn U.S. Army Reserve Center
6540 N. Mannheim Road
Chicago, Illinois 60606

Specifically, this response pertains only to records in our possession pursuant to the *Clean Water Act*. Separate responses will be provided by regional program officials regarding the other environmental statutes encompassed by your request.

Our files search revealed no information responsive to your request. However, data may possibly be obtained by contacting:

Bureau of Water
Illinois Environmental Protection Agency
(1021 North Grand Avenue, East)
P.O. Box 19276
Springfield, Illinois 62794-9276

If you consider this response to be a denial of your request, you may submit a written appeal to the Freedom of Information Officer (A-101), United States Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, within 30 days of your receipt of this response.

If any search costs are to be charged, they will be addressed, along with the costs incurred by other regional program officials in providing their responses, in separate correspondence.

Should you have questions related to this response, please contact Marillyn W. Cifax of my staff at (312) 886-6774.

Respectfully,

José G. Cisneros
Chief, Water Enforcement and
Compliance Assurance Branch

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

THOMAS V. SKINNER, DIRECTOR

Phone: 217/782-9878
Fax: 217/782-9290

April 21, 1999

Mr. Robert W. Suda
HARZA
233 South Wacker Drive
Chicago, IL 60606-6392

Re: Freedom of Information Act Request
General Correspondence

Dear Mr. Suda:

Enclosed are copies of records from the below referenced file(s) that are being sent in response to your Freedom of information Act request dated April 8, 1999 and received in our office on April 12, 1999.

US Army Reserve Center
L0312765079-Cook

Copied: 2 pages microfilm

Sincerely,

Jan Ogden
Freedom of Information Act Unit
Bureau of Land

JO:jeo

Enclosure

COMPUTERIZED CHECKOUT SYSTEM REVISED MARCH 8, 1999

00 - ALL CATEGORY *(NONE)*
01 - FOS *(LIGHT BLUE)*
02 - GENERAL CORRESPONDENCE *(YELLOW)*
03 - PERMITS *(PINK)*
03A - SPECIAL WASTE STREAM PERMIT LTRS *(BROWN/GRAY)*
03B - PERMIT DENIALS
04 - PLANS *(NONE)*
06 - GROUNDWATER *(LIGHT GREEN)*
08 - COMPLIANCE *(BLACK)*
10 - ANNUAL REPORTS *(ORANGE/PURPLE)*
10A - NON HAZARDOUS WASTE
10B - COMPOST
10C - PIMW
10D - 815 ON-SITE
10E - 813
10F - 21D
11 - GRANTS/SWM *(NONE)*
12 - MANIFESTS *(DARK GREEN/BLACK)*
19A - SF/HRS *(PURPLE)*
19B - SF/CA *(PURPLE)*
19C - SF/TECH REPORTS *(PURPLE)*
19D - SF/FISCAL CORRESPONDENCE *(PURPLE)*
19E - SF/FISCAL BIDS *(PURPLE)*
19F - SF/ADMINISTRATIVE RECORD INDEX *(PURPLE)*
19G - SF/ADMINISTRATIVE RECORD DOCUMENTS *(PURPLE)*
19H - SF/CONTRACTOR FILES *(PURPLE)*
20A - FEE (SOLID WASTE QUARTERLY REPORT) *(GRAY)*
20B - FINANCIAL *(DARK GREEN)*
21A - LUST/TECH REPORTS *(DARK BLUE)*
21B - LUST/FISCAL *(DARK BLUE)*
22 - WITHHELD (CONFIDENTIAL) *(BROWN/ORANGE)*
23A - UIC/ADMIN REC *(BROWN)*
23B - UIC/AUTH BY RULE *(BROWN)*
23C - UIC/CLOSURE *(BROWN)*
23D - UIC/COMPLIANCE *(BROWN)*
23E - UIC/FOS *(BROWN)*
23F - UIC/GEO LOGS *(BROWN)*
23G - UIC/HISTORY *(BROWN)*
23H - UIC/LAND BAN *(BROWN)*
23I - UIC/MONTHLY REPORT *(BROWN)*
23J - UIC/CLASS V *(BROWN)*
24A - RCRA/PERMITS *(RED/LIGHT BLUE)*
24B - RCRA/CLOSURE *(RED)*
24C - SUBPART F *(ORANGE)*
24D - ADMINISTRATIVE RECORD *(GRAY/DARK GREEN)*
25 - HAULER *(RED/BLACK)*
25A - TIRE HAULER *(LIGHT BLUE/YELLOW)*
25B - PIMW HAULER *(PINK/LIGHT GREEN)*
25C - UNIFORM PROGRAM HWH *(GRAY/YELLOW)*
26 - NOISE *(LIGHT GREEN/YELLOW)*
26A - NOISE VARIANCE (COMPLAINT) *(LIGHT GREEN/YELLOW)*
26B - NOISE VARIANCE LEGAL *(LIGHT GREEN/YELLOW)*
26C - NOISE VARIANCE TECH *(LIGHT GREEN/YELLOW)*
28 - MISCELLANEOUS *(NONE)*
29 - COUNTY GENERAL *(NONE)*
30 - INSERT SHEET MATERIAL *(DARK GREEN/LIGHT GREEN)*
31A - SITE REMEDIATION - TECHNICAL *(BLACK/PINK)*
31B - SITE REMEDIATION - FISCAL *(BLACK/PINK)*

SPECIAL WASTE STREAM PERMIT APS (NONE) FILED BY AUTHORIZATION NUMBER

CODES FOR MICROFILM ONLY

27A - SITE REMEDIATION - TECHNICAL
27B - SITE REMEDIATION - FISCAL

DLPC RECORDS UNIT
Microfilm Code Sheet

ID Number N031276079

Name US ARMY RESERVE CENTER

File Division 24A

Permit or Federal ID Number IND984926048

Cross-reference Information

IL 532 1577
ISD 1268 6/87

Printed on Recycled Paper

1993

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved OMB No. 2050-0028 Expires 10-31-91
GSA No. 0248-EPA-OT

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (*Section 3010 of the Resource Conservation and Recovery Act*).

EPA Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

I. Installation's EPA ID Number (*Mark 'X' in the appropriate box*)

[X] A. First Notification

[ ] B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number: ILD984926048

II. Name of Installation (*Include company and specific site name*) 031276507 9

US ARMY RESERVE CENTER

III. Location of Installation (*Physical address not P.O. Box or Route Number*)

Street: 1540 N [illegible] CT.

Street (continued):

City or Town: COSEMCN[illegible] | State: IL | ZIP Code: 60015-

County Code: | County Name: COOK

IV. Installation Mailing Address (*See instructions*)

Street or P.O. Box: SAME AS ABOVE

City or Town: | State: | ZIP Code: -

V. Installation Contact (*Person to be contacted regarding waste activities at site*)

Name (last): SEE | (first): STEVEN

Job Title: PROJECT ENGR | Phone Number (area code and number): 312-825-6684

VI. Installation Contact Address (*See instructions*)

A. Contact Address: Location [ ] Mailing [ ] | B. Street or P.O. Box:

City or Town: | State: | ZIP Code: -

VII. Ownership (*See instructions*)

A. Name of Installation's Legal Owner: SAME AS ABOVE

Street, P.O. Box, or Route Number:

City or Town: | State: | ZIP Code: -

Phone Number (area code and number): - - | B. Land Type: | C. Owner Type: | D. Change of Owner Indicator: Yes [ ] No [ ] | (Date Changed) Month Day Year

EPA Form 8700-12 (01-90) Previous edition is obsolete

Continue on reverse

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

10 - For Official Use Only

VIII. Type of Regulated Waste Activity (Mark 'X' in the appropriate boxes. Refer to instructions.)

A. Hazardous Waste Activity

1. Generator (See instructions)
   - [ ] a. Greater than 1000kg/mo (2,200 lbs.)
   - [X] b. 100 to 1000 kg/mo (220 - 2,200 lbs.)
   - [ ] c. Less than 100 kg/mo (220 lbs.)
2. Transporter (Indicate Mode in boxes 1-5 below)
   - [ ] a. For own waste only
   - [ ] b. For commercial purposes

   Mode of Transportation
   - [ ] 1. Air
   - [ ] 2. Rail
   - [X] 3. Highway
   - [ ] 4. Water
   - [ ] 5. Other - specify
3. [ ] Treater, Storer, Disposer (at installation) Note: A permit is required for this activity, see instructions.
4. Hazardous Waste Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketers
   - [ ] c. Boiler and/or Industrial Furnace
     - [ ] 1. Smelter Deferral
     - [ ] 2. Small Quantity Exemption

     Indicate Type of Combustion Device(s)
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
5. [ ] Underground Injection Control

B. Used Oil Fuel Activities

1. Off-Specification Used Oil Fuel
   - [ ] a. Generator Marketing to Burner
   - [ ] b. Other Marketer
   - [ ] c. Burner - indicate device(s) - Type of Combustion Device
     - [ ] 1. Utility Boiler
     - [ ] 2. Industrial Boiler
     - [ ] 3. Industrial Furnace
2. [ ] Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification

IX. Description of Regulated Wastes (Use additional sheets if necessary)

A. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)

1. Ignitable (D001)	2. Corrosive (D002)	3. Reactive (D003)	4. Toxicity Characteristic (D004 - D043)	(List specific EPA hazardous waste number(s) for the toxicity characteristic contaminant(s))
[X]	[ ]	[ ]	[ ]	

B. Listed Hazardous Wastes. (See 40 CFR 261.31 - 33. See instructions if you need to list more than 12 waste codes.)

1	2	3	4	5	6
F003	F005				
7	**8**	**9**	**10**	**11**	**12**

C. Other Wastes. (State or other wastes requiring a handler to have an I.D. number. See instructions.)

1	2	3	4	5	6

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature	Name and Official Title (Type or print)	Date Signed
Stephen Lee	STEPHEN SEE ENGINEER	27 Aug 93

XI. Comments

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

DLPC RECORDS UNIT
Microfilm Code Sheet

ID Number L0312765079

Name US ARMY RESERVE CEN TER

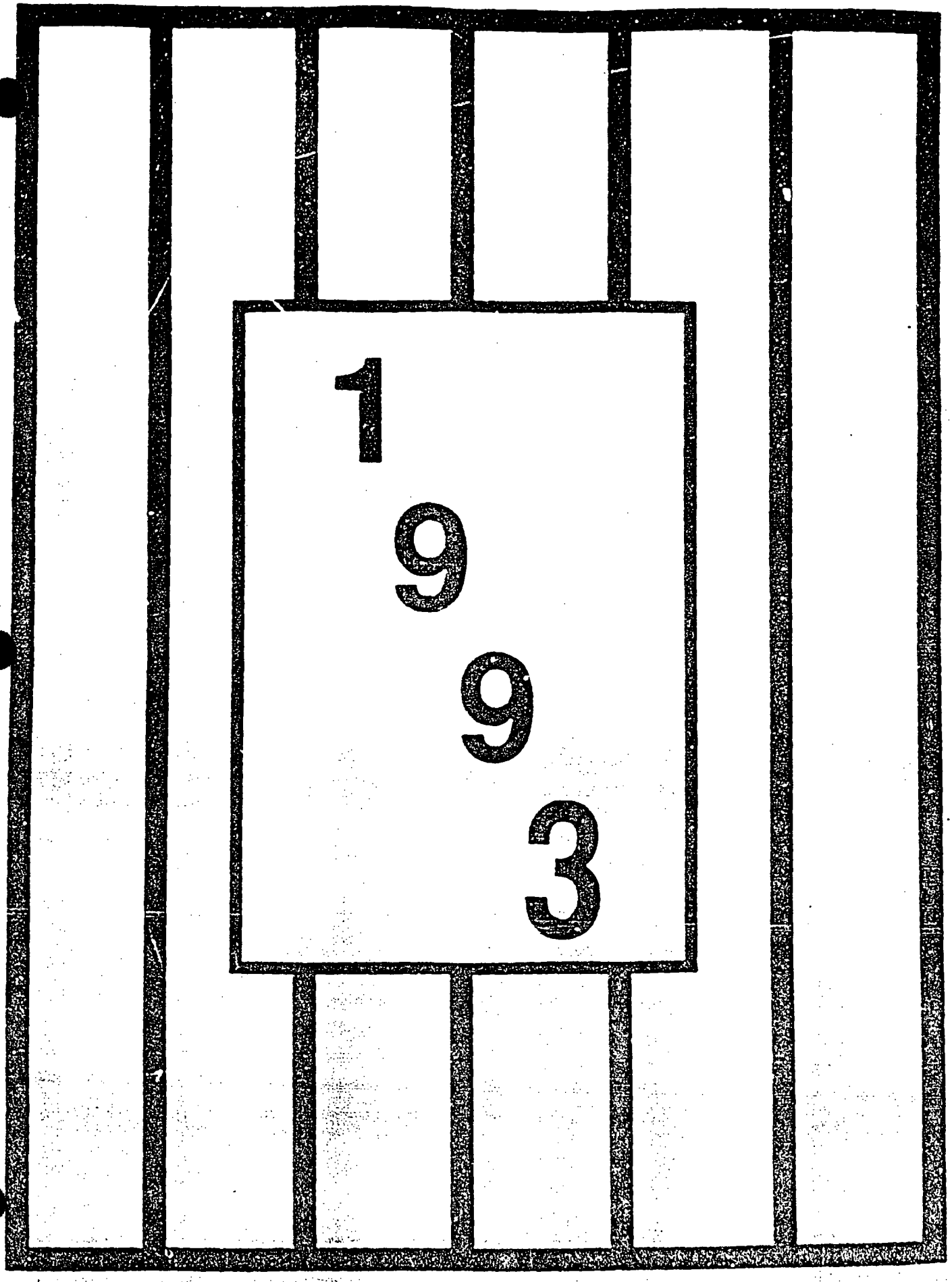
File Division 02

Permit or Federal ID Number ILD984926048

Cross-referance Information

IL 532 1577
ISD 1268 6/87

Printed on Recycled Paper



FOR AGENCY USE ONLY

GENERATOR I.D.#	TRANS CODE	TRANS DATE	INITIALS
0 3 1 2 7 6 5 0 2 9	A	/ /	XXX
1 10	14	15 20	21 23

ILLINOIS GENERATOR ID NUMBER REQUEST FORM

Effective July 1, 199[illegible], all requests not submitted on this form will be rejected. Instructions for completing this form are printed on the reverse side of this page.

INFORMATION MUST BE TYPEWRITTEN.

CARD
TYPE GENERATOR NAME:

010 (11 13) U S _ A R M Y _ R E S E R V E _ C E N T E R _ _ _ _ _ _ (24 53)

LOCATION (Not P.O. Box):

020 (11 13) 6 5 4 0 _ N _ M A N N H E I M _ R D _ _ _ _ _ _ _ (24 48)

CITY: ~~C H I C A G O~~ R O S E M O O T _ _ (55 74) STATE: I L (75 76)

ZIP: 6 0 0 1 8 _ _ _ _ (77 85) COUNTY: COOK

TELEPHONE: 3 1 2 (86) 8 2 5 (89) 6 6 8 4 (92)

CONTACT PERSON: S T E V E N _ S E E _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ (96 120)

MAILING ADDRESS (If different than above):

030 (11 13) _ _ _ _ ~~SAME AS ABOVE~~ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ (54 78)

RECEIVED
SEP 02 199
IEPA/DLPC

P.O. Box: _ _ _ _ _ _ (79 84) CITY: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ (85 100)

STATE: _ _ (105 106) ZIP: _ _ _ _ _ _ _ _ (107 115)

WASTE DESTINATION (TSD Facility): SAFETY-KLEEN CORP

ADDRESS: 633 EAST 138th STREET

CITY, STATE, ZIP: DOLTON, IL 60419

*TSD Facility's Illinois Site Code Number: 0 3 1 0 6 9 0 0 0 6

*TSD Facility's Generic Permit Authorization Number: 0 0 0 1 6 1

*MUST BE COMPLETED

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

IL 532 1473
LPC 228 (REV 3/91)

INSTRUCTIONS
ILLINOIS GENERATOR I.D. NUMBER REQUEST FORM
(JULY 1, 1991)

This form is to be used only by generators that ship their waste outside Illinois or to Illinois TSD facilities having a generic permit to accept the waste stream. Information provided on the application form will be entered into the IEPA computer system in order to assign an Illinois generator I.D. number, to generate waste material inventories and to mail manifest documents. To avoid delays caused by a partially or inaccurately completed application, please read and follow these instructions carefully.

A separate application is required for each location where waste is generated. Once a generator I.D. number is assigned to a specific location, that number remains the same indefinitely. A new application is required only if the physical location of the generator is change. Name changes to assigned generator numbers may be made by notifying the Permit Section in writing.

This application is set up such that typewriter spacing will fit on the dashed lines. The form is to be coded from left to right with a single space left between words in multiple word phrases. Since the application is printed on "no carbon required" paper, typewriter corrections must be made with correction fluid. The entire application (two (2) pages with three (3) colored carbon copies) must be returned to the Illinois EPA. Applications which do not include all of the required items will be rejected. INFORMATION MUST BE TYPEWRITTEN.

PAGE ONE

GENERATOR NAME: Provide the generator's official business name.
LOCATION (Not P.O. Box): Provide the street location, not P.O. Box number, where the waste is generated.
CITY:, STATE:, and ZIP: Provide all information.
COUNTY: Provide the county name.
TELEPHONE: Provide the complete telephone number including the area code.
CONTACT PERSON: This is the individual that is to receive correspondence regarding the assignment of a generator number and will receive the generator package, including fee exempt manifest forms.
MAILING ADDRESS (if different than above): P.O. Box:, CITY:, STATE:, & ZIP: This mailing address, if different from above, is specific only to the generator of the waste. Provide information as requested.
WASTE DESTINATION (TSD Facility): Indicate the name of the treatment, storage or disposal facility that will accept the waste.
ADDRESS: Provide the site address.
CITY, STATE, ZIP: Provide all information.

*TSD Facility's Illinois Site Code Number: The IEPA-assigned 10 digit FIPS code for the facility, NOT the USEPA-asssigned 12 digit alphanumeric code. This information is available from the TSD facility.

*TSD Facility's Generic Permit Authorization Number: The IEPA-assigned 6 digit generic waste stream authorization Number of the Illinois facility. If the waste is shipped outside Illinois, leave this space blank. This information is available from the TSD facility.

PAGE TWO

Signature of Generator: All applications must be signed by the owner or operator of the waste location. The application must contain original signatures.

Date: Current date.

Complete manifest form information.

Signature of Person Making Request (if different than generator): Company Name:, Telephone:, Date: Provide all requested information.

Generator Shipping Address: Type the address for UPS delivery of the generator package. DO NOT USE POST OFFICE BOX NUMBERS. UPS will not deliver to post office boxes.

GENERAL INFORMATION

Return the entire application to the Illinois Environmental Protection Agency, Division of Land Pollution Control (#24), Permit Section, 2200 Churchill Road, Post Office Box 19276, Springfield, IL 62794-9276.

A copy of this form will be returned to the generator via UPS delivery when a generator number has been assigned. Twenty (20) fee-exempt manifest forms and a manifest order form will be enclosed for the generator's use. Waste shipments cannot be made until receipt of this package.

Generator numbers will be assigned only on receipt of this form. Telephone requests will not be accepted. Requests for information on numbers previously assigned must be submitted in writing to the Permit Section. Responses to these requests will be in writing. Information will not be given by telephone.

Questions regarding completion of this form may be directed to the Permit Section Administrative Support Unit at 217/782-6761.

ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES

524 South Second Street, Springfield 62701-1787 George H. Ryan, Governor ● Brent Manning, Director

April 22, 1999

Mr. Robert W. Suda, P.G.
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Dear Mr. Suda:

Reference is made to your letter of April 8, 1999 requesting information concerning endangered/threatened species and sensitive habitats at the Ft. Dearborn U.S. Army Reserve Center (USARC) located at 6540 Mannheim Road, Chicago, Illinois. The facility is being reviewed as part of the Base Realignment and Closure (BRAC) process, and is the subject of an environmental assessment being conducted by Harza Engineering on behalf of the U.S. Army Corps of Engineers, Louisville District.

We have reviewed the maps and other documents you provided. Based on the Illinois Natural Heritage Database, no natural areas or threatened/endangered species occur at or in close proximity to the USARC. In addition, the National Wetlands Inventory map for the site indicates that no wetlands are present at the facility. Based on the information at hand, we would not anticipate any adverse impacts to sensitive species or habitats associated with the BRAC process.

Please contact me if we can be of further assistance.

Sincerely,

Robert W. Schanzle
Permit Program Manager
Division of Natural Resource Review and Coordination

RWS:rs

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF CHEMICAL SAFETY
FOIA TRANSMITTAL FORM
FOIA-OCS-990386

04/22/99

To: ROBERT W. SUDA
HARZA ENGINEERING COMPANY
SEARS TOWER
233 SOUTH WACKER DRIVE
CHICAGO IL 60606-6392

Fax Number: 312-831-3999

From:

Susan Hillen or Carolyn Wright
FOIA Officer
Office of Chemical Safety
P.O. Box 19276
Springfield, IL 62794-9276
Phone: 217-785-6345
Fax: 217-785-1312

Site: FT. DEARBORN U.S. ARMY RESERVE CENTER - 6540 N. MANNHEIM ROAD; CHICAGO, IL

Requester ID No. 5644GM100

The following information is associated with request number FOIA-OCS-990386

[X] No Information was found regarding the above request.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:
SM-4J

APR 22 1999

Robert W. Suda, P.G., Project Manager
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, IL 60606-6392

RE: Freedom Of Information Act
Request Identification Number: 05-RIN-01386-99
Subject: Ft. Dearborn U.S. Army
Project/File Number:

Dear Mr. Suda:

This letter is in response to your Freedom Of Information Act (FOIA) request dated April 08, 1999. The request has been designated by United States Environmental Protection Agency (U.S. EPA) as a multi-program Combined.

Please be advised that I have checked the Facility Identification Initiative in our Documents Management Section (DMS) and the files in the Records Management Center (RMC) and found no information pertaining to your request. However, the nature of your request indicates documents may be available from two or more Offices and/or Divisions within Region 5. Charges may be applicable from each Office and/or Division processing your request. If you need site assessment information you can contact Thomas Crause with the Illinois Environmental Protection Agency (Illinois EPA) at (217) 782-6760, or you may write to the address listed below:

Ms. Diana Golbelman
Freedom of Information Officer
Illinois Environmental Protection Agency
1021 North Grand Avenue East
Springfield, Illinois 62706

Each Office and/or Division involved in processing this request will provide you with a response. Once all the responses have been forwarded to you, a Bill for Collection assessing the compilation of all costs incurred by the Agency in answering your FOIA request will be provided to you (within 10 days from the date of the last response).

If you consider this response to be a denial of your request you may submit a written appeal to the Freedom of Information Officer A-101., United States Environmental Protection Agency, 401 M Street, S.W., Washington D.C. 20460, within thirty (30) days of your receipt of this response.

Should you have questions or need additional assistance, I may be contacted at (312) 353-3167. For all other matters, please contact Carolyn D. Bohlen, Chief, Documents, Management Section at (312) 886-6541.

Sincerely,

Frederick D. Gage, Documents Management Section
Freedom Of Information Act Specialist for Illinois

cc: FOIA File
Region 5 FOIA Office, (MI-9J)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF:

APR 22 1999

DM-7J

Mr. Robert W. Suda
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

RE: Freedom of Information Act Request
RIN: 001386-99

Dear ***Mr. Suda:***

This is the Office of Waste, Pesticides and Toxics Division (WPTD) response to your Freedom of Information Act request received ***April 9, 1999***, in which you requested information regarding: the Ft. Dearborn U.S. Army Reserve Center in Chicago, Illinois (ILD 984 926 048).

Enclosed are copies of the A.2.2 file (notification of hazardous waste activity and acknowledgment). We have searched our files and cannot find any other information for this facility. If you consider this response to be a denial, you may appeal it by addressing your written appeal to the Freedom of Information Officer (A-101), United States Environmental Agency, 401 M. Street S.W. Washington, D.C. 20460.

The other divisions will respond to your request separately and a bill for collection will be provided to you upon completion since the combined cost incurred will exceed the $25.00 minimum.

Since we authorize the States within Region 5 to perform portions of the hazardous waste program in lieu of the Federal program, please contact the appropriate official listed on the enclosed sheet for State information.

For your information the Agency's WWW address is "HTTP://WWW.EPA.GOV". For specific WPTD (RCRA) reports and information the WWW address is HTTP://earth1.epa.gov/RCRIS-Region-5/ Please contact me at (312) 886-7449 or Ms. Martha Y. Robinson of my staff at (312) 886-6141, if you have any questions regarding this response.

Sincerely,

Jane E. Ratcliffe, Chief
Information Management Section

Enclosure(s)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

9/14/93

REPLY TO THE ATTENTION OF:

Dear Notifier:

Enclosed you will find the United States Environmental Protection Agency (U.S. EPA) Identification (ID) number that has been assigned to your installation. You will find your twelve character ID number on the top portion of the enclosed notification form. This ID number acknowledges that you have filed a Notification of Regulated Waste Activity for the installation referenced on the notification form to comply with Section 3010 of the Resource Conservation and Recovery Act (RCRA). This ID number must be included on all shipping manifest(s) for transporting hazardous wastes; on all correspondence; and on all reports required under Subtitle C of RCRA by the U.S. EPA and State agencies.

Please carefully review your status to determine whether the box you have checked is correct for your installation. If you checked Box 1A "Generator" you are a large generator producing over 1000 kg/mo (2200 lbs). Large generators are subject to all applicable regulations under Subtitle C of RCRA including the Annual/Biennial Report. If you determine Box 1A was checked in error, you can change your status to either a Small Quantity Generator (100-1000 kg/mo) or a Conditionally Exempt Generator (less than 100 kg/mo) by notifying the U.S. EPA in writing at the address at the top of this letter. Please indicate which generator category is correct for your installation.

Please note the U.S. EPA number is site-specific. If your installation changes locations, a new notification is required for a new ID number. If your installation has changed ownership, a subsequent notification must be filed to allow the new owner to use the ID number.

If the purpose of your notification is a one-time disposal for a clean-up, PCB removal, underground storage tank removal, etc., please notify U.S. EPA in writing upon completion of the project. U.S. EPA will deactivate the ID number at that time. Any other notification changes not mentioned can be sent to U.S. EPA by letter.

If you have any further questions regarding hazardous waste activity, please contact the Region V Notification Hotline at (312) 886-4001.

Sincerely,

Sharon J. Kidden

Sharon J. Kidden
Environmental Protection Specialist

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 10-31-91

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

EPA 93603

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

SEP 13 1993

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)

[X] A. First Notification [ ] B. Subsequent Notification (complete item C)

C. Installation's EPA ID Number: ILD984926048

II. Name of Installation (Include company and specific site name)

US ARMY RESERVE CENTER

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street: 6540 N MANNHEIM Rd.

Street (continued):

City or Town: ROSEMONT | State: IL | ZIP Code: 60018-

County Code: | County Name: COOK

IV. Installation Mailing Address (See instructions)

Street or P.O. Box: SAME AS ABOVE

City or Town: | State: | ZIP Code: -

V. Installation Contact (Person to be contacted regarding waste activities at site)

Name (last): SEE | (first): STEVEN

Job Title: PROJECT ENGR | Phone Number (area code and number): 312-825-6684

VI. Installation Contact Address (See Instructions)

A. Contact Address Location [ ] Mailing [ ] | B. Street or P.O. Box:

City or Town: | State: | ZIP Code: -

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner: SAME AS ABOVE

Street, P.O. Box, or Route Number:

City or Town: | State: | ZIP Code: -

Phone Number (area code and number): - - | B. Land Type: | C. Owner Type: | D. Change of Owner Indicator: Yes [ ] No [ ] | (Date Changed) Month Day Yes:

Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 10-31-91

Please refer to the instructions for Filing Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).

EPA 93603

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received (For Official Use Only)

SEP 13 1993

SEP 17 1993

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[X] A. First Notification [ ] B. Subsequent Notification (complete item C)

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II. Name of Installation (Include company and specific site name)

US ARMY RESERVE CENTER

III. Location of Installation (Physical address not P.O. Box or Route Number)

Street: 6540 N MANNHEIM RD.

Street (continued):

City or Town: ROSEMONT

State: IL

ZIP Code: 60018-

County Code: 031

County Name: COOK

IV. Installation Mailing Address (See instructions)

Street or P.O. Box: SAME AS ABOVE

City or Town:

State:

ZIP Code:

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Name (last): SEE

(first): STEVEN

Job Title: PROJECT ENGR

Phone Number (area code and number): 312-825-6684

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A. Contact Address Location [ ] Mailing [ ]

B. Street or P.O. Box:

City or Town:

State:

ZIP Code:

VII. Ownership (See Instructions)

A. Name of Installation's Legal Owner: SAME AS ABOVE

Street, P.O. Box, or Route Number:

City or Town:

State:

ZIP Code:

Phone Number (area code and number):

B. Land Type:

C. Owner Type:

D. Change of Owner Indicator: Yes [ ] No [ ]

(Date Changed) Month Day Year:

EPA Form 8700-12 (01-90) Previous edition is obsolete

Continue on reverse

USDA United States Department of Agriculture

Natural Resources Conservation Service

P.O. Box 407
Streamwood, IL 60107
847-608-8165
847-608-8302 Fax

Harza Engineering Company
Robert W. Suda, P.G.
233 South Wacker Drive
Chicago, Illinois 60606-6392

April 22, 1999

Dear Mr. Suda:

I am writing in response to a letter you wrote requesting information regarding the U.S. Army Reserve Center (USARC), project number 5644GM100.

David Brandt, District Conservationist for McHenry County forwarded the letter to me. My name is Heather Minekus and I am the new Soil Conservationist for North Cook County as of February 1, 1999. I will be handling requests and work in the North part of Cook County. Please contact me if you need any assistance or have any questions. I have included my business card for future reference.

I reviewed the letter you sent requesting a determination concerning prime or unique farmlands on the site. Once I located the site, I consulted the *DuPage and Cook County Soil Survey* to determine the soil types. Apparently, no soils were actually mapped on site. However, the site has been so modified by cutting and filling, that the existing soils cannot be "prime farmland" soils.

I referred to the 1981 National Wetland Inventory map (Elmhurst, IL). I find no wetlands within the boundaries of the USARC. Unfortunately, our office does not have the City of Chicago Federal Emergency Management Agency (FEMA) map for the USARC location. Therefore, I could not identify any floodplain concerns that may exist. This office does not have any cultural resources information.

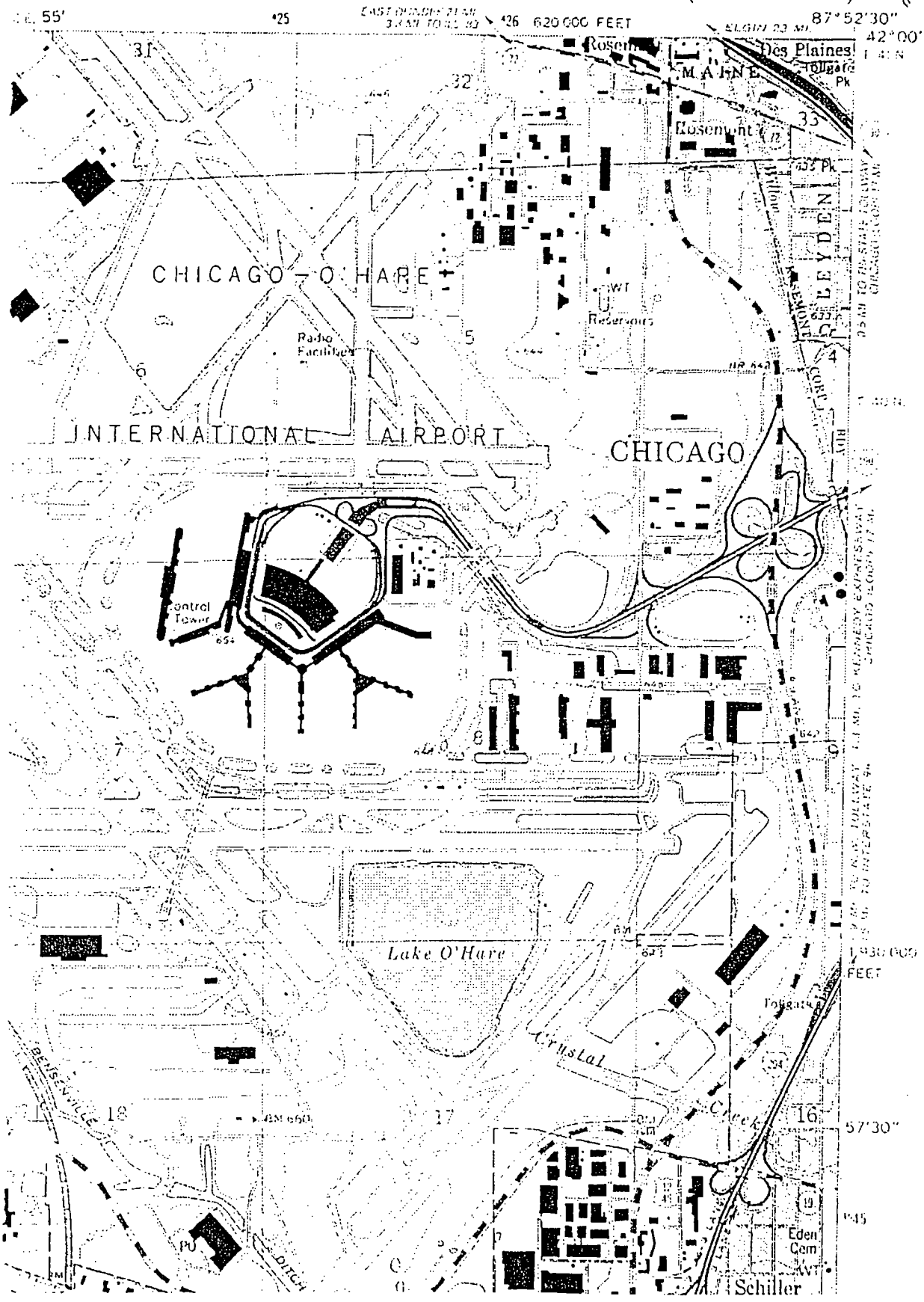
Based upon the information available, it is my determination that no prime or unique farm lands or wetlands exist on the USARC site. You may want to research the floodplain concern. However, I do not see any indication that flooding of the area would be a problem, based upon its location on the map.

If you have any further questions, please call me between 7:30 A.M. and 4:30 P.M. Monday-Friday.

Sincerely,
Heather Minekus
Heather Minekus, NRCS Soil Conservationist

Enclosures: Elmhurst Quadrangle, 1997 Aerial Photograph, Soils Sheet 39 from the *DuPage and Cook County Soil Survey*, and the "General Soils Map"

ELMHURST QUADRANGLE
ILLINOIS
7.5 MINUTE SERIES (TOPOGRAPHIC)



...west Quad Map DATE OF PHOTOGRAPH (sec. 32)

SPRING 1997 Scale: 1" = 400'

THE BIDWELL COMPANY

T41N R12E

MAINE TWP.
Cook Co.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

ILLINOIS AGRICULTURAL EXPERIMENT STATION

GENERAL SOIL MAP

DU PAGE AND PART OF COOK COUNTIES, ILLINOIS

Scale 1:253,440

1 0 1 2 3 4 Miles

SOIL LEGEND

SILTY AND CLAYEY SOILS ON UPLANDS AND LAKE PLAINS

1 — Frankfort–Bryce: Deep, gently rolling to nearly level, somewhat poorly drained and poorly drained soils that have a clayey subsoil; formed in glacial till

2 — Morley–Ashkum: Deep, very steep to nearly level, well drained and poorly drained soils that have a clayey and silty subsoil; formed in glacial till

3 — Markham–Ashkum: Deep, gently rolling to nearly level, moderately well drained and poorly drained soils that have a clayey and silty subsoil; formed in glacial till

4 — Milford–Martinton: Deep, nearly level, poorly drained and somewhat poorly drained soils that have a silty and clayey subsoil; formed in glacial lake sediment

5 — Urban land–Frankfort–Bryce: Built–up areas and deep, gently rolling to nearly level, somewhat poorly drained and poorly drained soils that have a clayey subsoil; formed in glacial till

6 — Urban land–Markham–Ashkum: Built–up areas and deep, gently rolling to nearly level, moderately well drained and poorly drained soils that have a clayey and silty subsoil; formed in glacial till

7 — Urban land–Milford: Built–up areas and deep, nearly level, poorly drained soils that have a silty and clayey subsoil; formed in glacial lake sediment

SILTY SOILS ON UPLANDS

8 — Kidder–Miami: Deep, undulating to rolling, well drained soils that have a loamy and silty subsoil; formed in glacial till

9 — Drummer–Lisbon–Saybrook: Deep, nearly level to undulating, poorly drained to moderately well drained soils that have a silty or loamy subsoil; formed in glacial till

10 — Drummer–Mundelein–Barrington: Deep, nearly level to undulating, poorly drained, somewhat poorly drained, and well drained soils that have a silty and loamy subsoil; formed in glacial outwash

11 — Warsaw–Fox–Will: Moderately deep over gravel, undulating and level, well drained and poorly drained soils that have a loamy and silty subsoil; formed in glacial outwash

12 — Urban land–Drummer–Barrington: Built–up areas and deep, nearly level to undulating, poorly drained and well drained soils that have a silty and loamy subsoil; formed in glacial outwash

SANDY AND LOAMY SOILS ON UPLANDS

13 — Watseka–Oakville: Deep, nearly level to undulating, somewhat poorly drained and well drained soils that have a sandy subsoil; formed in beach sand

14 — Selma–Hoopeston–Wesley: Deep, level and nearly level, poorly drained and somewhat poorly drained soils that have a loamy, silty, or sandy subsoil; formed in glacial outwash and in glacial lake sediment

15 — Urban land–Selma–Oakville: Built–up areas and deep, level to undulating, well drained and poorly drained soils that have a loamy, silty or sandy subsoil; formed in glacial outwash and in glacial lake sediment

SILTY AND LOAMY SOILS ON TERRACES AND BOTTOM LANDS

16 — Fox–Wauconda–Sawmill: Moderately deep over gravel and deep, gently sloping to level, well drained, somewhat poorly drained, and poorly drained soils that have a loamy and silty subsoil; formed in glacial outwash on terraces and in stream alluvium

17 — Faxon–Kankakee–Rockton: Moderately deep and deep, level and gently sloping, poorly drained and well drained soils that have a dominantly loamy or silty subsoil; formed in dolomite bedrock and very coarse glacial outwash on bottom lands and terraces

Each area outlined on this map consists of more than one kind of soil. The map is thus meant for general planning rather than a basis for decisions on the use of specific tracts.

o = site location approximately

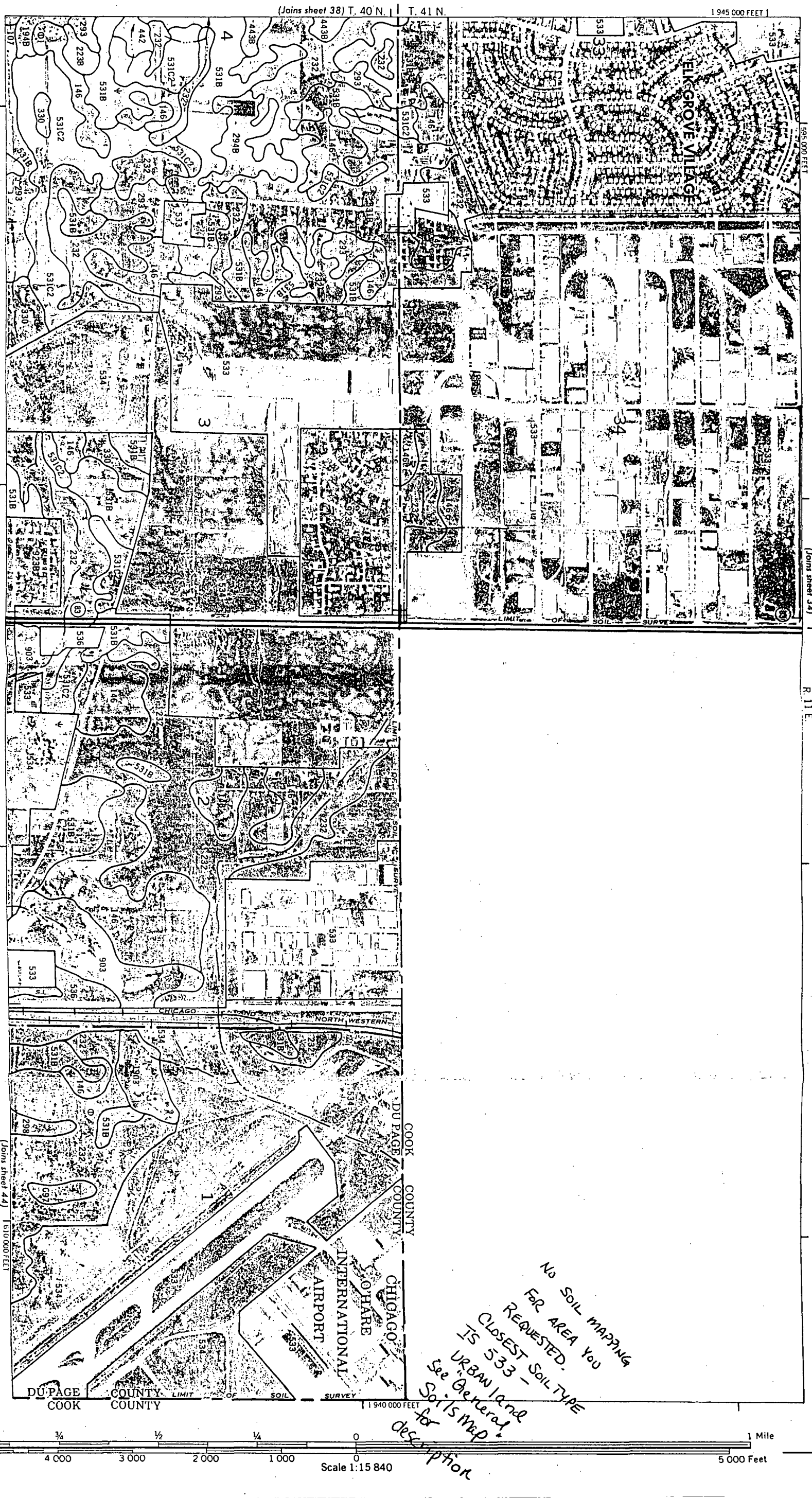
Compiled 1978

SECTIONALIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

DUPAGE COUNTY AND PARTS OF (COUNTY, ILLINOIS NO. 39

This map is compiled on 1970 and 1971 aerial photography by the U. S. Depart. griculture, Soil Conservation Service and cooperating agencies.
Coordinate grid ticks and land division corners, if shown, are approximately positioned.



ILLINOIS
DEPARTMENT OF
NATURAL RESOURCES

524 South Second Street, Springfield 62701-1787 George H. Ryan, Governor ● Brent Manning, Director

April 23, 1999

Mr. Robert W. Suda
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Dear Mr. Suda:

RE: Project number 5644GM100

The office of Mines and Minerals received your request for information dated April 8, 1999 concerning sixteen acres of land adjacent to the O'Hare International Airport. Specifically, you requested information concerning mineral resources in this area.

Although coal resources lie under much of Illinois, no coal resources exist in the northern part of the state including the area in and around Chicago. Documentation of the location or absence of coal resources can be obtained from the Illinois State Geological Survey (ISGS) in Champaign/Urbana.

Deposits of sand and gravel as well as limestone are present in and around Chicago. Active and abandoned quarries are scattered throughout the Chicago and outlying areas. Once again, the ISGS may be of assistance for specific information in your immediate area. You may wish to contact Jack Masters of the ISGS at (217) 244-2516 for further assistance.

Sincerely,

Daniel Barkley

Daniel Barkley
Mining Engineer, P.E.
Land Reclamation Division

DB:js
cc: K. Underwood
D. Pflederer

04221325.WPD

ILLINOIS
DEPARTMENT OF
NATURAL
RESOURCES

springfield
illinois
state
museum

Research & Collections Center
1011 East Ash Street
Springfield, IL 62703
Telephone (217) 782-7475

May 12, 1999

Mr. Robert W. Suda, P.G.
Project Manager
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Dear Mr. Suda,

Regarding your request for information about archaeologic, historic, traditional (Native American), and paleontological resources present or possible at Fort Dearborn, U.S. Army Reserve Center. According to the state's archaeological site file, the property in question has not been the subject of a cultural resource assessment. The only recorded sites in the area are located along the Des Plains River to the east of the property.

An evaluation of site potential is a matter of regulatory compliance for which the Illinois Historic Preservation is responsible. We recommend that you contact Dr. Mark Esarey at the Illinois Historic Preservation Agency in Springfield, Illinois.

We know of no traditional Native American sites in the area.

Finally, we have shared your request for information on paleontological resources with the museum's geology section. They will respond to your request under separate cover.

For future reference, we charge on a cost-reimbursable basis for site file research. The current rate is $20.00 per hour. There is no charge for this project.

Sincerely,

Michael D. Wiant, Ph.D.
Curator

Illinois Historic
Preservation Agency

1 Old State Capitol Plaza • Springfield, Illinois 62701-1507 • (217) 782-4836 • TTY (217) 524-7128

Cook County
Chicago
ARMY - Environmental Review, Ft. Dearborn U.S. Army Reserve Center (16 acres)
6540 N. Mannheim Road
IHPA Log #17041299

May 14, 1999

Robert W. Suda, P.G.
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, IL 60606-6392

Dear Mr. Suda:

This letter is to inform you that we have reviewed the information provided concerning the referenced project(s).

Our review of the records indicates that no historic, architectural or archaeological sites exist within the project area(s).

Please retain this letter in your files as evidence of compliance with section 106 of the National Historic Preservation Act of 1966, as amended. This clearance remains in effect for one year from date of issuance. It does not pertain to any discovery during construction, nor is it a clearance for purposes of the Illinois Human Skeletal Remains Protection Act (20 ILCS 3440).

If you have any further questions, please contact Ms. Tracey A. Sculle, Cultural Resource Manager, Illinois Historic Preservation Agency, 1 Old State Capitol, Springfield, Illinois 62701, 217/785-3977.

Sincerely,

Anne E. Haaker
Deputy State Historic
Preservation Officer

AEH:TAS:ly

United States Department of the Interior
NATIONAL PARK SERVICE
MIDWEST REGION
1709 JACKSON STREET
OMAHA, NEBRASKA 68102-2571

IN REPLY REFER TO:

L7619 (MWR-CRSP/CS)

NOV 19 1999

Mr. Robert W. Suda, P.G.
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6392

Dear Mr. Suda:

This letter is in response to your April 8, 1999, letter regarding Fort Dearborn United States Army Reserve Center (USARC), Chicago, Illinois, for which you are conducting an environmental assessment (your project number 5644GM100) as part of the Base Realignment and Closure (BRAC) process.

The National Park Service is not aware whether prehistoric, historic, or traditional (Native American) paleontological resources are present in the area or do/could exist on the property. We do not have management responsibility for the USARC or neighboring properties, and thus do not know if any determination regarding these resources has been made. Such responsibility rests with the United Stated Army Corps of Engineers who, in turn, have contracted with you to assess the property.

Sincerely,

Catherine C. Dawson

William W. Schenk
Regional Director

northeastern illinois planning commission

222 S. Riverside Plaza • Suite 1800 • Chicago, IL 60606 • (312) 454-0400 • Fax (312) 454-0411 • http://www.nipc.cog.il.us

November 19, 1999

Robert W. Suda, P.G.
Project Manager
Harza Engineering Company
Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606

RE: ENVIRONMENTAL ASSESSMENT OF USARC SITE

Dear Mr. Suda:

Thank you for providing us the opportunity to comment on whether or not prime or unique farmlands and sensitive habitats exist on the USARC property. However, I have been advised by both the Chief of our Research Services Department and the head of our Natural Resources Department that this matter does not fall under our jurisdiction. They feel it is an issue best addressed by other agencies, principally at the state level.

If you have any additional questions, please contact me at (312)-454-0401, extension 607.

Sincerely,

Marc D. Thomas
Senior Planner

APPENDIX C
CHAIN-OF-TITLE

JNA Services Inc.

367 W. Irving Park Road Suite 394
Wood Dale, Illinois 60191
TX (888)350-8227 FAX (888)900-8297

As required by an amendment to the Enviromental Protection Act 88-438 5 in Section 22.2 (j)(6)(E)(v)(1) effective August 20,1993, the following report is informational only and DOES NOT represent detailed examination of, or opinion to, the condition of title to the following described property. Any and all documents recorded after the assigned search date ARE NOT included.

The following report is hereby and certified that, to the best belief and knowledge of the undersigned, the information contained within the report set forth is true and accurate, and is deemed correct as of the date of its preparation.

Signed this 30 day of April, 1999

Hereby Certified _____.
Gregory Rentmeester

Ft. Dearborn Army Reserve Center
6540 N. Mannhiem Rd.

PIN# : 09-32-403-006

LEGAL: A PARCEL OF LAND IN THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 41 NORTH, RANGE 12, EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.

GRANTOR(S): United States Government
City of Chicago
GRANTEE(S): United States Government
City of Chicago
DOC.#: 08145245
INST.: Ammendment
DOC. DATE: 08-17-1998
REC. DATE: 12-17-1998

GRANTOR(S): USA
City of Chicago
GRANTEE(S): USA
City of Chicago
DOC.#: 97434617
INST.: Lease
DOC. DATE: 04-21-1997
REC. DATE: 06-18-1997

GRANTOR(S): USA
City of Chicago
GRANTEE(S): USA
City of Chicago
DOC.#: 97434616
INST.: Ammendment
DOC. DATE: 04-21-1997
REC. DATE: 06-18-1997

GRANTOR(S): Cook County Registrar of Titles
GRANTEE(S): City of Chicago
DOC.#: 97434607
INST.: Certificate of Title
DOC. DATE: 03-24-1949
REC. DATE: 06-18-1997

GRANTOR(S): USA
City of Chicago
GRANTEE(S): USA
City of Chicago
DOC.#: 96929261
INST.: Memo
DOC. DATE: 10-30-1996
REC. DATE: 12-09-1996

GRANTOR(S): USA
GRANTEE(S): City of Chicago
DOC.#: 13747964
INST.: Deed
DOC. DATE: 03-21-1946
REC. DATE: 03-22-1946

GRANTOR(S): USA
GRANTEE(S): County Assessor
DOC.#: 44c1193 - US District
INST.: Petition
DOC. DATE:
REC. DATE: 10-07-1944

GRANTOR(S): Boesche, Herman etal
GRANTEE(S): USA
DOC.#: 13239868
INST.: Grant
DOC. DATE: 03-03-1944
REC. DATE: 03-06-1944

GRANTOR(S): Mans, Marie
GRANTEE(S): Boesche, Herman
DOC.#: 1238844
INST.: Warranty Deed
DOC. DATE: 10-25-1939
REC. DATE: 10-26-1939

GRANTOR(S): Boesche, Charles
GRANTEE(S): Manz, Marie
DOC.#: 11303282
INST.: Warranty Deed
DOC. DATE: 10-05-1933
REC. DATE: 10-20-1933

No more entries were recorded to 1873.

APPENDIX D

INSPECTION PHOTOGRAPHS

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

Page 1

DATE: April 21, 1999
TIME:11:12AM
DIRECTION: East
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: The Reserve Center Building and parking lot between the Reserve Center Building and the Organization Maintenance Shop (OMS).
PHOTO # 1

DATE: April 21, 1999
TIME: 11:32 am
DIRECTION: South
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Organizational Maintenance Shop and parking lot.
PHOTO # 2

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 12:33pm
DIRECTION: North
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Undeveloped portion of Ft Dearborn USARC property located south of the Reserve Center Building.
PHOTO #3

DATE: April 21, 1999
TIME:12:37pm
DIRECTION: southeast
PHOTOGRAPH TAKEN BY: RAW
COMMENTS: Municipal solid waste dumpsters (typical) located near the southwest corner of the Reserve Center Building.
PHOTO #4

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME:12:39pm
DIRECTION: West
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Transformers (typical) found on USARC property.
PHOTO #5

DATE: April 21, 1999
TIME: 12:46pm
DIRECTION: East
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Battery storage area (STW-2) located inside the OMS Building near the southwest corner of the building.
PHOTO # 6

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 12:52pm
DIRECTION: North
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Former storage tank area (AST-1), hazardous waste storage bins (STW-1), former vehicle washrack (OTH-3), and former drum storage area (STW-3) located along the west side of OMS Building,
PHOTO # 7

DATE: April 21, 1999
TIME: 1:00pm
DIRECTION: Southeast
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Flammable storage Building and hazardous waste storage bins (STW-1) located near the OMS Building.
PHOTO # 8

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 2:11pm
DIRECTION: North
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Wash rack and associated oil/water separator (OWS-1) located near the northwest corner of the Reserve Center Building.
PHOTO #9

DATE: April 21, 1999
TIME: 2:14pm
DIRECTION: Northeast
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Oil/water separator (OWS-1) located near the northwest corner of the Reserve Center Building.
PHOTO #10

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 2:23pm
DIRECTION: West
PHOTOGRAPH TAKEN BY:RWA
COMMENTS: Former Firing Range (ORD-1) located inside the southwest portion of the Reserve Center Building. (note sand behind the desks)
PHOTO #11

DATE: April 21,1999
TIME:2:27pm
DIRECTION: North
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Air Vent from the Former Firing Range (ORD-1) located at the southwest corner of the Reserve Center Building.
PHOTO # 12

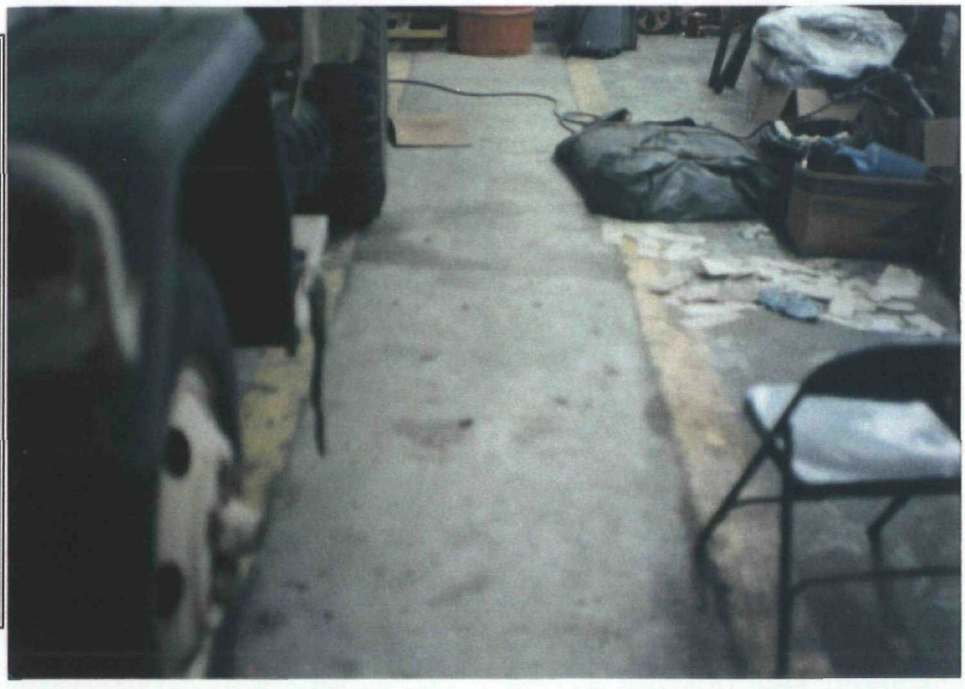
INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 3:04pm
DIRECTION: East
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Safety Kleen, Inc parts washer located inside the OMS Building.
PHOTO #13

DATE: April 22, 1999
TIME: 10:12am
DIRECTION: South
PHOTOGRAPH TAKEN BY: CWB
COMMENTS: Former vehicle maintenance pit (OTH-1) located inside the west portion of the OMS Building.
PHOTO #14



INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 22, 1999
TIME: 10:15am
DIRECTION: West
PHOTOGRAPH TAKEN BY: West
COMMENTS: Drain located near the former shop sink (OTH-2) inside the OMS Building.
PHOTO #15

DATE: April 21, 1999
TIME: 3:22pm
DIRECTION: East
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: 9"x9" floor tile (typical) inside the Reserve Center Building.
PHOTO # 16

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME: 3:28pm
DIRECTION: South
PHOTOGRAPH TAKEN BY:RWA
COMMENTS: 9"x9" floor tiles (typical) inside the Reserve Center Building.
PHOTO #17

DATE: April 21, 1999
TIME: 3:36pm
DIRECTION: East
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: 1'x1' ceiling tiles (typical) inside of the Reserve Center Building.
PHOTO # 18

INSPECTION PHOTOS

Project No.: 5644GM 100

Project : Ft Dearborn USARC EBS

DATE: April 21, 1999
TIME:3:40pm
DIRECTION: North
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: 2'x2' ceiling tiles (typical) inside the Reserve Center Building.
PHOTO #19

DATE: April 21, 1999
TIME:3:45pm
DIRECTION: South
PHOTOGRAPH TAKEN BY: RWA
COMMENTS: Radioactive source storage area on the second floor inside the Reserve Center Building.
PHOTO #20

APPENDIX E
RADIOLOGICAL SURVEY

U.S. ARMY RESERVE COMMAND
RADIOLOGICAL SURVEY AT FT DEARBORN USARC
CHICAGO, ILLINOIS

Prepared for

U.S. Army Corps of Engineers
Louisville District

By

HARZA Engineering Company

April 22, 1999

RADIOLOGICAL SURVEY AT FT DEARBORN USARC

General

Mr. Robert Suda and Mr. Chris Barden of HARZA Engineering Company met Mr. Roy McRae, the Facility Manager, at the site prior to beginning the survey to coordinate access. Mr. McRae provided floor maps of the first and second floors of the facility and contacted the personnel necessary to obtain access to all areas of the facility.

Equipment used for the radiological survey was an Ion Chamber Survey Meter Model 450. This model is a hand-held, battery-operated unit designed to measure alpha radiation above 4 milli electro-volts (MeV), beta radiation above 100 kilo electro-volts (keV), and gamma and x-ray radiation above 7keV. Response Rental, Inc. calibrated the Ion Chamber Survey Meter Model 450 prior to arrival onsite and no field calibration was required. The warm up time was less than one minute for initial operation as the instrument was in temperature equilibrium with the surrounding area. The operating temperature range is from -4° to 122 °F, and relative humidity range of 0 to 100%, non-condensing. The Ion Chamber Survey Meter has a drift of 0.1 millirems per hour (mR/h) equivalent, or less after seven minutes operation. The precision of the equipment is within 5% of the reading.

Survey Methodology

The survey began at 10:45 am Thursday, April 22, 1998. The weather was overcast with rain with temperatures steady at 52°F and high humidity. The survey was performed inside the facility. Temperature inside the Reserve Center Building was approximately 74°F.

Using the Fire Exit Plan as a guide, Mr Suda and Mr Barden worked from the second floor to first floor, recording the readings from the Ion Chamber Survey Meter on a copy of the Fire Exit Plan. Readings were collected on a grid pattern in each room or space. The Ion Chamber Survey Meter was placed on the floor or top of objects to collect data

Survey Results

Readings throughout the facility ranged from 0.0 to 1.1 mR/h. Readings at each data collection point are indicated on the attached two drawings, one for the first floor and one for the second floor of the Reserve Center Building.

RADIOLOGICAL SURVEY AT FT DEARBORN USARC (con't)

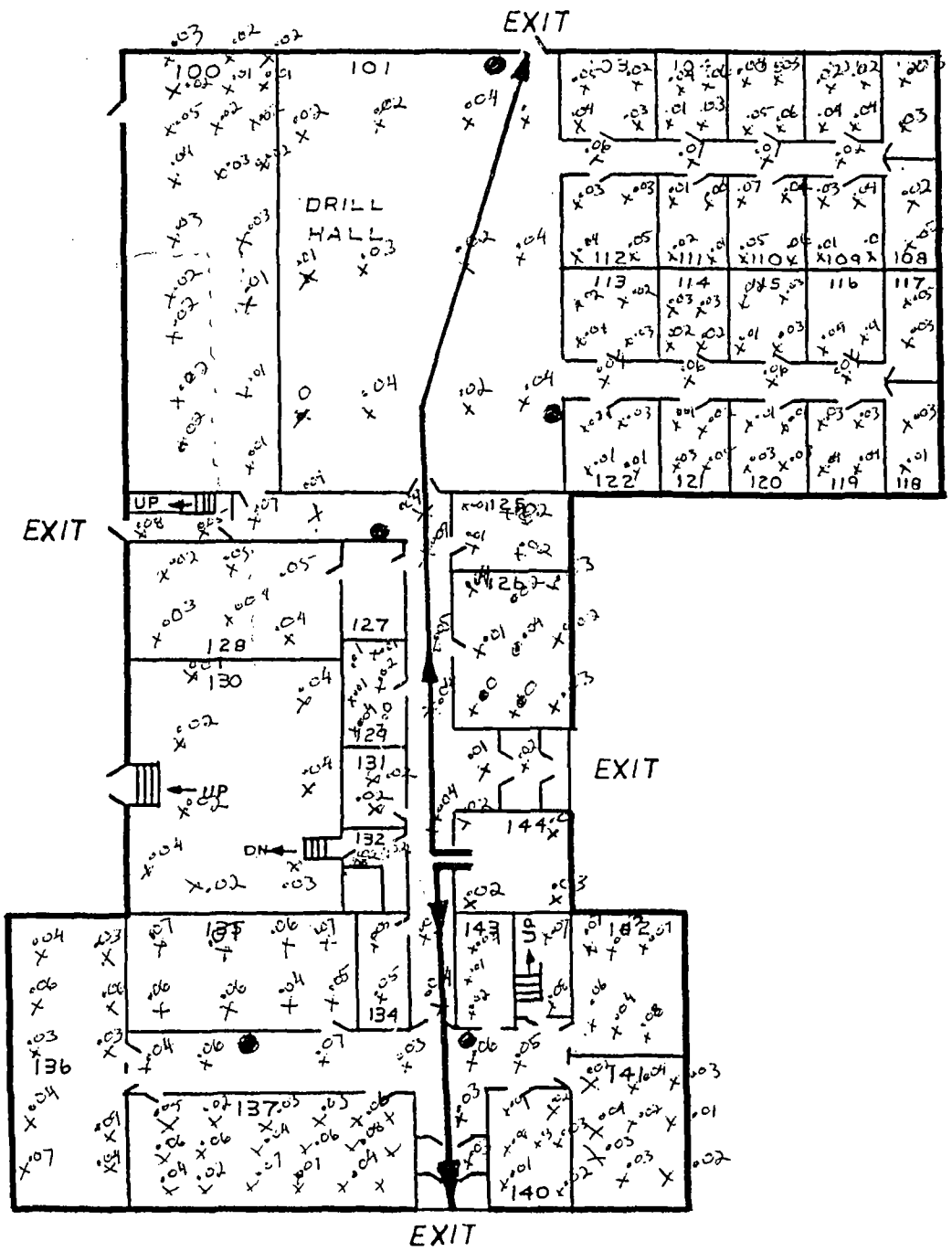
Data Interpretation

Actual readings throughout the facility were found to be within the normal instrument drift (1.0 mR/h). On this basis, there is no evidence of radiation contamination present in the Reserve Center Building.

Ft. Dearborn
Radiological Survey
4/22/99

FIRE EXIT PLAN
ROOM 144

units = mR/h reading

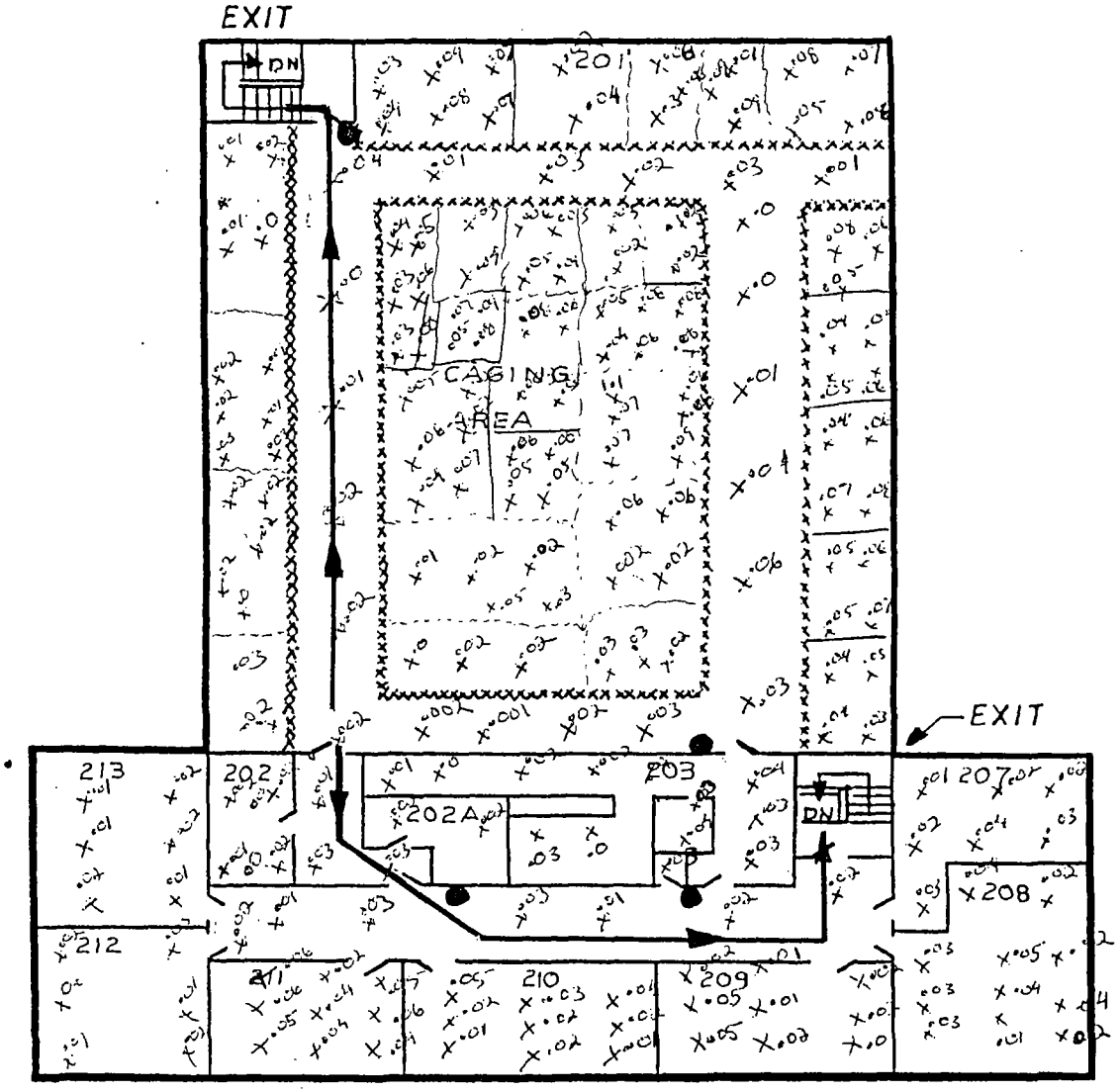


NORTH

PRIMARY ROUTE

ALTERNATE ROUTE

● FIRE EXTINGUISHER



FIRE EXIT PLAN
ROOM 201

NORTH

PRIMARY ROUTE

ALTERNATE ROUTE

● FIRE EXTINGUISHER

APPENDIX F

ENVIRONMENTAL DATABASE SEARCH

The EDR-Radius Map
with GeoCheck®

FT Dearborn US Army Reserve
6540 N Manheim
Chicago, IL 60666

Inquiry Number: 355543.1s

April 06, 1999

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

6540 N MANHEIM
CHICAGO, IL 60666

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
SHWS:	State Haz. Waste
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:	Corrective Action Report
SWF/LF:	Available Disposal for Solid Wast in Illinois- Solid Waste Landfills Subject to State Surcharge
RAATS:	RCRA Administrative Action Tracking System
RCRIS-LQG:	Resource Conservation and Recovery Information System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System/Facility Identification Initiative Program Summary Report
TRIS:	Toxic Chemical Release Inventory System
NPL Lien:	NPL Liens
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
Plan Comm:	Illinois Planning Comm.
CAT:	Category List
ROD:	ROD
CONSENT:	Superfund (CERCLA) Consent Decrees
Coal Gas:	Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was not listed in any of the databases searched by EDR.

Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 11/18/1998 has revealed that there are 9 LUST sites within approximately 0.5 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PEACOCK OIL CO.	6900 MANNHEIM RD	0 - 1/8 N	1	9
DAP CO.	7100 MANNHEIM RD	0 - 1/8 S	4	9
ALAMO PRIA'S SERVICE STATION	7190 MANHIEM RD.	1/8 - 1/4 S	7	10
AC PAVEMENT STRIPING CO.	3036 ORCHARD PL	1/8 - 1/4 NE	A8	10
PRUDENTIAL REALTY	6501 MANNHEIM RD	1/8 - 1/4 N	10	11
AC PAVEMENT STRIPING CO.	3000 SOUTH ORCHARD PL.	1/8 - 1/4 NNE	B14	12
BUSCKORN RANCH ESTATES	2993 CURTIS ST	1/4 - 1/2 NE	16	13
NORTHERN ILLINOIS GAS	6810 MANNHEIM RD	1/4 - 1/2 N	17	13
ORCHARD PLACE SCHOOL	2727 MAPLE ST	1/4 - 1/2 NNE	18	13

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 03/03/1998 has revealed that there are 6 UST sites within approximately 0.25 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	10255 W HIGGINS RD STE	0 - 1/8 SE	2	9
Not reported	6501 MANNHEIM RD	0 - 1/8 N	3	9
Not reported	10275 WHIGGINS RD	0 - 1/8 E	5	10
Not reported	6600 MANNHEIM RD	1/8 - 1/4 NNW	6	10
Not reported	3036 ORCHARD PL	1/8 - 1/4 NE	A9	11
Not reported	2401 E HIGGINS RD	1/8 - 1/4 E	15	12

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 01/04/1999 has revealed that there are 3 RCRIS-SQG sites within approximately 0.25 miles of the subject property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
AMERICAN OHARE AUTO SPEC	***3000 ORCHARD PLACE RD***	***1/8 - 1/4 NNE***	***B11***	***11***

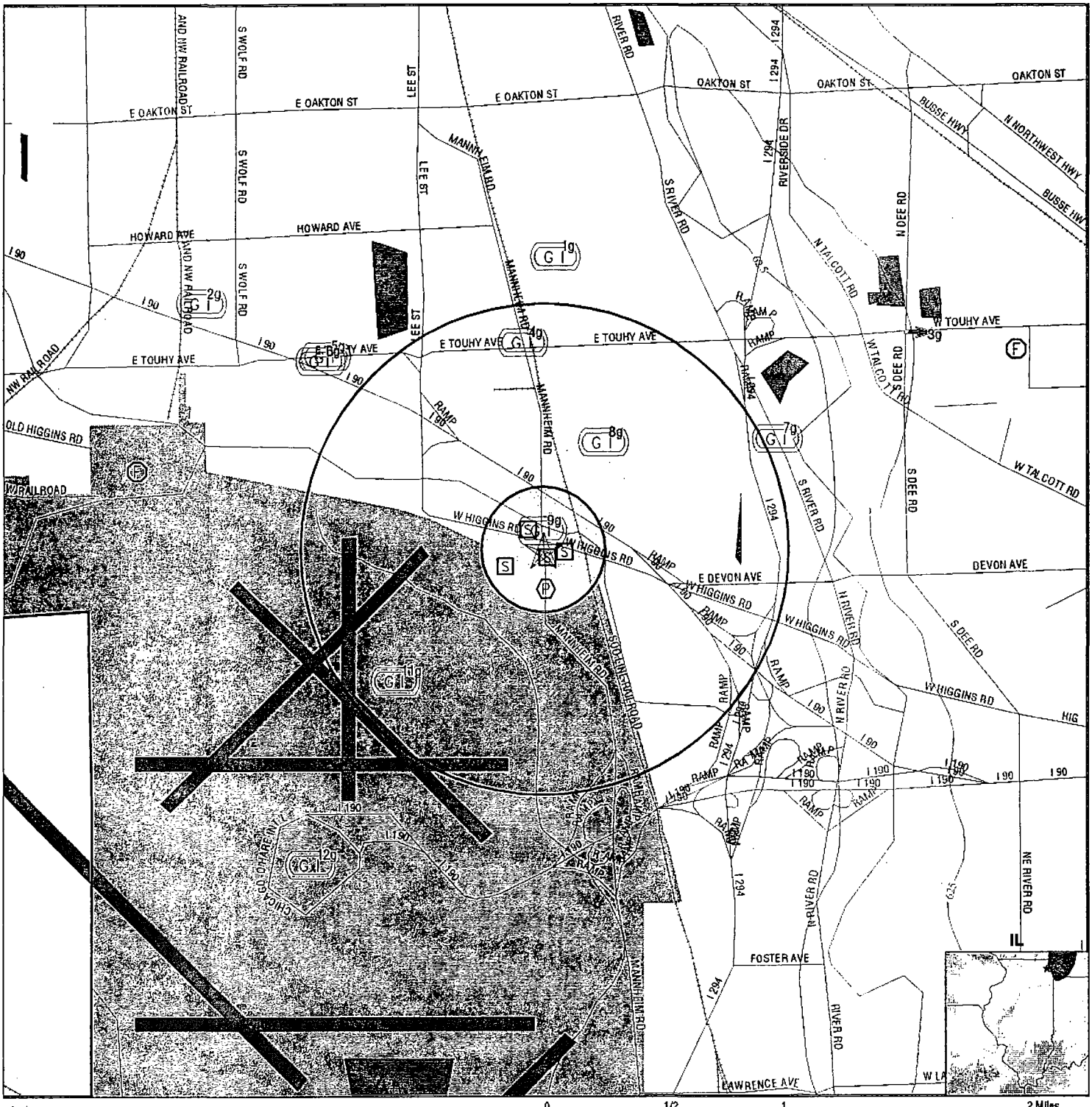
EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BEPEX CORP	*10225 HIGGINS RD*	*1/8 - 1/4 E*	*12*	*11*
JDS AUTO BODY	*3003 ORCHARD PL*	*1/8 - 1/4 NNE*	*B13*	*12*

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
PAXTON LANDFILL #2	SHWS
GROOT INDUSTRIES/CHICAGO TRANSFER S	SWF/LF
ILLINOIS BELL TELEPHONE	LUST
CHICAGO PARK DIST.	LUST
CHICAGO, CITY OF DEPT. OF AVIATION	LUST
ARMAND S. DONIAN	LUST
U.S. AIR FORCE	LUST
MOBIL OIL CORP.	LUST
196TH ST W OF GOVERNORS HWY 50	UST
3220 N MANNHEIM	UST
I 90 BRIDGE OVER HIGGINS RD	RCRIS-SQG
DEARBORN & MADISON STREETS	ERNS
320 DEARBORN	ERNS
SHEEN SIZE: 8-20 FT X 1/2 MILE / COLOR: LIGHT RAINBOW / DIES	ERNS
SHEEN SIZE:100 FT X 20 FT / COLOR: RAINBOW	ERNS
USAF AIR RESERVE AIRLIFT GROUP	FINDS

TOPOGRAPHIC MAP - 355543.1s - Harza Environmental Services



- Major Roads
- Contour Lines
- Waterways
- Airports
- Earthquake epicenter, Richter 5 or greater
- Closest Federal Well in quadrant
- Closest State Well in quadrant
- Closest Public Water Supply Well
- Closest Hydrogeological Data
- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

TARGET PROPERTY:	FT Dearborn US Army Reserve	CUSTOMER:	Harza Environmental Services
ADDRESS:	6540 N Manheim	CONTACT:	Mr. Douglas Mulvery
CITY/STATE/ZIP:	Chicago IL 60666	INQUIRY #:	355543.1s
LAT/LONG:	41.9976 / 87.8844	DATE:	April 06, 1999 12:19 pm

GEOCHECK VERSION 2.1
SUMMARY

TARGET PROPERTY COORDINATES

Latitude (North):	41.997601 - 41° 59' 51.4"
Longitude (West):	87.884361 - 87° 53' 3.7"
Universal Transverse Mercator:	Zone 16
UTM X (Meters):	426754.3
UTM Y (Meters):	4649674.5

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2441087-H8 ELMHURST, IL

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	S2
Era:	Paleozoic
System:	Silurian
Series:	Middle Silurian (Niagoaran)

ROCK STRATIGRAPHIC UNIT†

Category:	Stratifed Sequence

GROUNDWATER FLOW INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

AQUIFLOW™** Search Radius: 2.000 Miles

MAP ID	DISTANCE FROM TP	DIRECTION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2g	1 - 2 Miles	NW	Not Reported
3g	1 - 2 Miles	ENE	E
4g	1/2 - 1 Mile	North	Not Reported
9g	0 - 1/8 Mile	North	Not Reported

For additional site information, refer to GeoCheck Appendix.

General Topographic Gradient at Target Property: General NE
General Hydrogeologic Gradient at Target Property: No hydrogeologic data available.

† Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78, September 1990.
** EDR AQUIFLOW™ information System of hydrogeologically determined groundwater flow directions at specific locations. See the date pages at the end of this report for a complete description.

GEOCHECK VERSION 2.1
SUMMARY

Site-Specific Hydrogeological Data*:
Search Radius: 2.0 miles
Status: Not found

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE
Northern	>2 Miles	Glacial (undifferentiated)	166 ft.
Eastern	>2 Miles	Glacial (undifferentiated)	90 ft.
Western	1 - 2 Miles	Not Reported	78 ft.

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	DEPTH (FEET)	SOURCE
Northern	0 - 1/8 Mile	137	IL Private Water Wells Survey
Eastern	0 - 1/8 Mile	Not Reported	IL Geological Survey
Southern	0 - 1/8 Mile	133	IL Private Water Wells Survey
Western	1/8 - 1/4 Mile	Not Reported	IL Geological Survey

PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.
NOTE: PWS System location is not always the same as well location.

PWS Name: CHEVALIER WOODS GR 3 3121
WSO RIVER RD SO KENNEDY 02102
ROSEMONT, IL 60018
Location Relative to TP: 1/8 - 1/4 Mile South
PWS currently has or has had major violation(s): No

AREA RADON INFORMATION

EPA Radon Zone for COOK County: 2

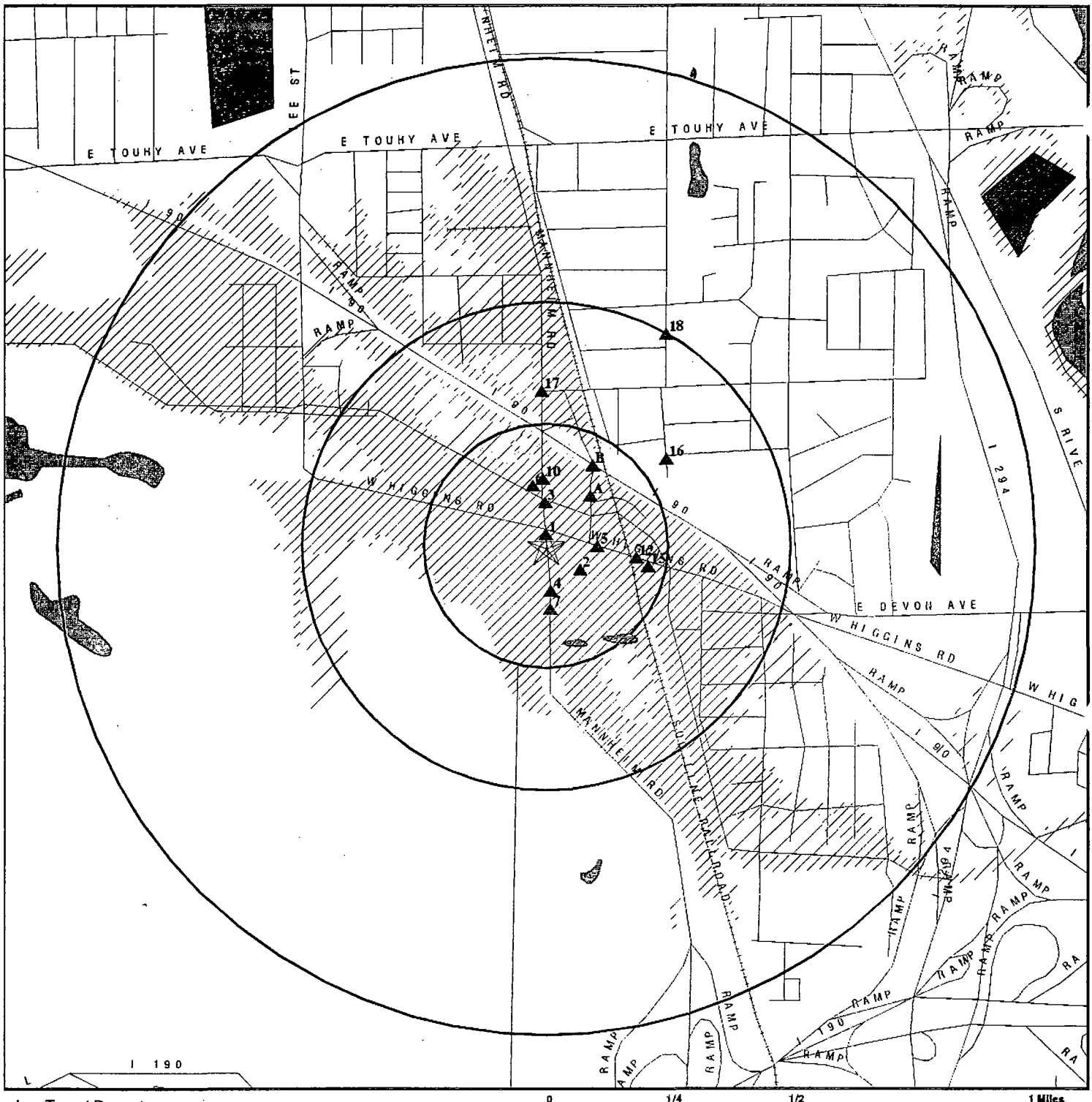
Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

COOK COUNTY, IL

Number of sites tested: 82

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.273 pCi/L	96%	4%	0%
Living Area - 2nd Floor	0.900 pCi/L	100%	0%	0%
Basement	1.740 pCi/L	93%	7%	0%

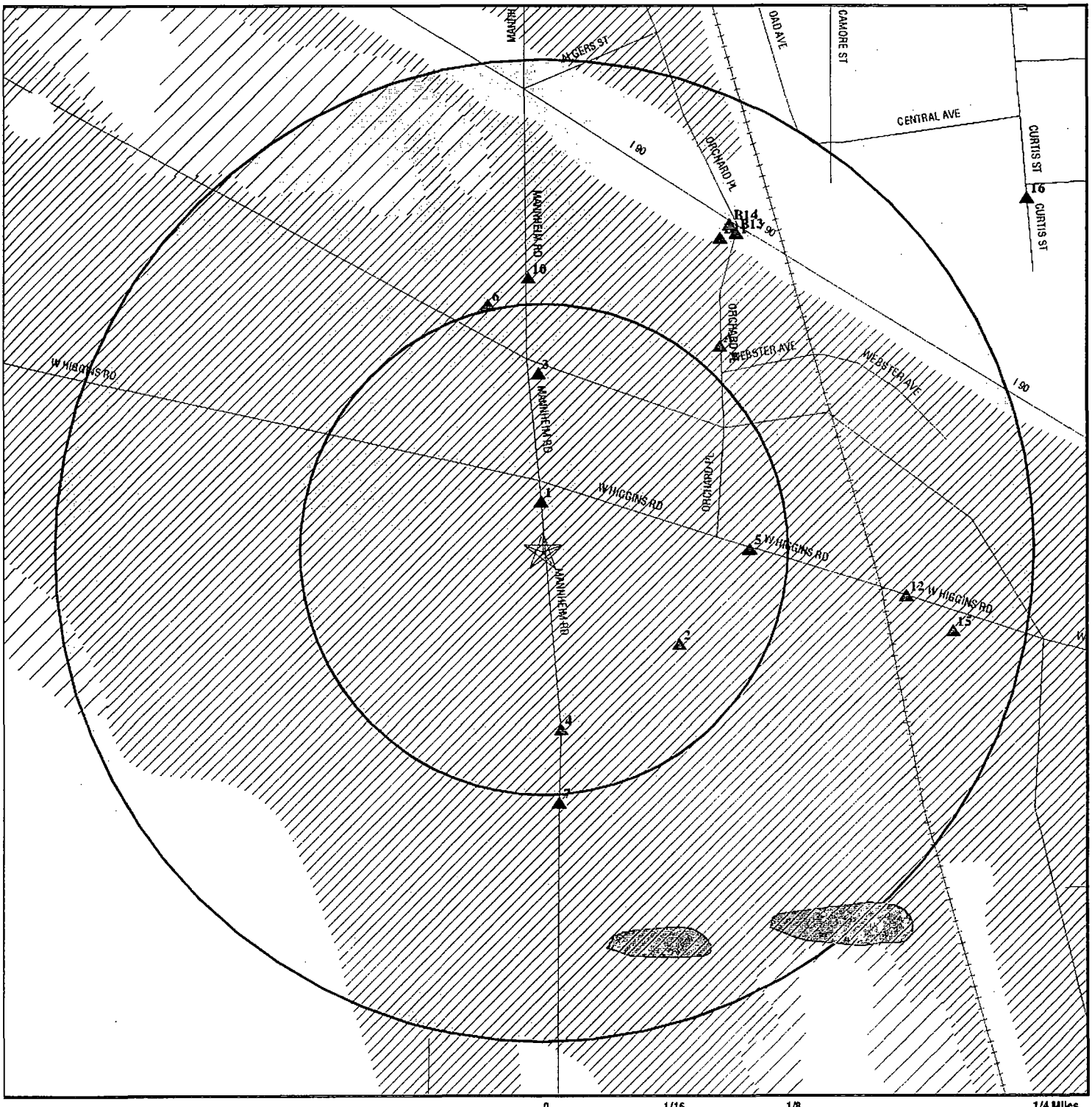
OVERVIEW MAP - 355543.1s - Harza Environmental Services



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ♟ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	FT Dearborn US Army Reserve	CUSTOMER:	Harza Environmental Services
ADDRESS:	6540 N Manheim	CONTACT:	Mr. Douglas Mulvery
CITY/STATE/ZIP:	Chicago IL 60666	INQUIRY #:	355543.1s
LAT/LONG:	41.9976 / 87.8844	DATE:	April 06, 1999 12:17 pm

DETAIL MAP - 355543.1s - Harza Environmental Services



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

♟ Coal Gasification Sites (if requested)

Sensitive Receptors

National Priority List Sites

Landfill Sites

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Wetlands per National Wetlands Inventory (1994)

TARGET PROPERTY:	FT Dearborn US Army Reserve	CUSTOMER:	Harza Environmental Services
ADDRESS:	6540 N Manheim	CONTACT:	Mr. Douglas Mulvery
CITY/STATE/ZIP:	Chicago IL 60666	INQUIRY #:	355543.1s
LAT/LONG:	41.9976 / 87.8844	DATE:	April 06, 1999 12:18 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	2	4	3	NR	NR	9
UST		0.250	3	3	NR	NR	NR	6
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	3	NR	NR	NR	3
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Illinois Planning Comm.		0.500	0	0	0	NR	NR	0
CAT		TP	NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	2	4	3	NR	NR	9
UST		0.250	3	3	NR	NR	NR	6
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	3	NR	NR	NR	3
RCRIS Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Illinois Planning Comm.		0.500	0	0	0	NR	NR	0
CAT		TP	NR	NR	NR	NR	NR	0
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1
North
< 1/8
130
Higher

PEACOCK OIL CO.
6900 MANNHEIM RD
ROSEMONT, IL

LUST

S102945210
N/A

LUST:
IL EPA ID: 0312765084
Incident Number: 980651

IL EPA ID: 0312765084
Incident Number: 980056

IL EPA ID: 0312765084
Incident Number: 942272

2
SE
< 1/8
447
Higher

10255 W HIGGINS RD STE 140
ROSEMONT, IL

UST

U001472993
N/A

UST:
Facility ID: 2-032276
Status: ACTIVE
Total Tanks: 1
Owner Name: HIGGINS MANNHEIM PROPERTY
Contact: LAMBRECHT JOHN
Phone #: Not reported

3
North
< 1/8
476
Higher

6501 MANNHEIM RD
ROSEMONT, IL

UST

U001472994
N/A

UST:
Facility ID: 2-032360
Status: CLOSED
Total Tanks: 0
Owner Name: PRUDENTIAL INS CO OF AMERICA
Contact: CUSTODIA JOHN
Phone #: (708) 699-6300

4
South
< 1/8
486
Higher

DAP CO.
7100 MANNHEIM RD
ROSEMONT, IL

LUST

S103292967
N/A

LUST:
IL EPA ID: 0312760002
Incident Number: 900766

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
5 **East** **< 1/8** **558** **Higher**	**10275 WHIGGINS RD** **ROSEMONT, IL**	**UST**	**U001473506** **N/A**

UST:
Facility ID: 2-008607
Status: ACTIVE
Total Tanks: 1
Owner Name: HAWTHORN REALTY GROUP
Contact: PORZEL,PAUL A.
Phone #: (312) 986-8750

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6 **NNW** **1/8-1/4** **674** **Higher**	**6600 MANNHEIM RD** **ROSEMONT, IL**	**UST**	**U001134532** **N/A**

UST:
Facility ID: 2-010394
Status: CLOSED
Total Tanks: 0
Owner Name: RAMADA INTERNATIONAL
Contact: NORTH TOM
Phone #: (708) 827-5131

---

7 **South** **1/8-1/4** **681** **Higher**	**ALAMO PRIA'S SERVICE STATION** **7190 MANHIEM RD.** **ROSEMONT, IL**	**LUST**	**S103292965** **N/A**

LUST:
IL EPA ID: 0312765055
Incident Number: 892064

A8 **NE** **1/8-1/4** **719** **Higher**	**AC PAVEMENT STRIPING CO.** **3036 ORCHARD PL** **DES PLAINES, IL**	**LUST**	**S100530848** **N/A**

LUST:
IL EPA ID: 0310635243
Incident Number: 903060

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A9		**UST**	**U000174769**
NE	**3036 ORCHARD PL**		**N/A**
1/8-1/4	**DES PLAINES, IL**		
727			
Higher			

UST:
- Facility ID: 2-000238
- Status: CLOSED
- Total Tanks: 0
- Owner Name: A C PAVEMENT STRIPING CO
- Contact: KLINE C
- Phone #: (312) 299-3391

10	**PRUDENTIAL REALTY**	**LUST**	**S102620629**
North	**6501 MANNHEIM RD**		**N/A**
1/8-1/4	**ROSEMONT, IL**		
731			
Higher			

LUST:
- IL EPA ID: 0312765078
- Incident Number: 931982

B11	**AMERICAN OHARE AUTO SPEC**	**RCRIS-SQG**	**1000359838**
NNE	**3000 ORCHARD PLACE RD**	**FINDS**	**ILD102174091**
1/8-1/4	**DES PLAINES, IL 06001**		
966			
Higher			

RCRIS:
- Owner: BOBOR PAUL J (312) 555-1212
- Contact: PAUL BOBOR (312) 298-4235
- Record Date: 05/26/1988
- Classification: Small Quantity Generator
- Used Oil Recyc: No
- Violation Status: No violations found

12	**BEPEX CORP**	**RCRIS-SQG**	**1000225553**
East	**10225 HIGGINS RD**	**FINDS**	**ILD060370277**
1/8-1/4	**ROSEMONT, IL 06001**		
985			
Higher			

BEPEX CORP (Continued) **1000225553**

RCRIS:
Owner: BERWIND CORP
(312) 555-1212
Contact: RICH BOLT
(312) 825-8010
Record Date: 04/08/1981
Classification: Not reported
Used Oil Recyc: No
Violation Status: No violations found

B13 **JDS AUTO BODY** **RCRIS-SQG** **1000887279**
NNE **3003 ORCHARD PL** **FINDS** **IL0000262410**
1/8-1/4 **DES PLAINES, IL 06001**
999
Higher

RCRIS:
Owner: R P A INC
(708) 440-8807
Contact: TROY SANFORD
(708) 803-0830
Record Date: 05/02/1994
Classification: Conditionally Exempt Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

B14 **AC PAVEMENT STRIPING CO.** **LUST** **S103292603**
NNE **3000 SOUTH ORCHARD PL. RD.** **N/A**
1/8-1/4 **DES PLAINES, IL**
1010
Higher

LUST:
IL EPA ID: 0310635243
Incident Number: 923256

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15 **UST** **U003104672**
East **2401 E HIGGINS RD** **N/A**
1/8-1/4 **ELK GROVE, IL**
1125
Higher

UST:
Facility ID: 2-034808
Status: CLOSED
Total Tanks: 0
Owner Name: 2401 E HIGGINS CORPORATION
Contact: EDWARDS GAYNOR
Phone #: (847) 202-0570

16
NE
1/4-1/2
1610
Higher

BUSCKORN RANCH ESTATES
2993 CURTIS ST
DES PLAINES, IL

LUST

S102620267
N/A

LUST:
IL EPA ID: 0310635418
Incident Number: 970453

17
North
1/4-1/2
1677
Higher

NORTHERN ILLINOIS GAS
6810 MANNHEIM RD
ROSEMONT, IL

LUST

S101823844
N/A

LUST:
IL EPA ID: 0312765007
Incident Number: 910045

IL EPA ID: 0312765007
Incident Number: 891839

18
NNE
1/4-1/2
2637
Higher

ORCHARD PLACE SCHOOL
2727 MAPLE ST
DES PLAINES, IL

LUST

1000746961
N/A

LUST:
IL EPA ID: 0310635193
Incident Number: 891203

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
CHICAGO	S103428124	PAXTON LANDFILL #2	115TH ST. AND STONEY ISLAND AVE.		SHWS	0316000033
CHICAGO	U001142041		196TH ST W OF GOVERNORS HWY 50		UST	2-019440
CHICAGO	S103445433	ILLINOIS BELL TELEPHONE	1802 CENTRAL RD.		LUST	
CHICAGO	S103292319	CHICAGO PARK DIST.	6700 SOUTH CENTRAL PARK / MARQUETTE		LUST	
CHICAGO	S103292346	CHICAGO, CITY OF DEPT. OF AVIATION	6013 CENTRAL AVE.		LUST	
CHICAGO	S103445365	ARMAND S. DONIAN	CNR. DEVON / KEDZIE		LUST	
CHICAGO	8872369	DEARBORN & MADISON STREETS	DEARBORN & MADISON STREETS		ERNS	
CHICAGO	8866794	320 DEARBORN	320 DEARBORN		ERNS	
CHICAGO	S103553680	GROOT INDUSTRIES/CHICAGO TRANSFER S	6747 N. ELMHURST ROAD		SWF/LF	0316760001
CHICAGO	U001142477		3220 N MANNHEIM		UST	2-001410
CHICAGO	1000938869	USAF AIR RESERVE AIRLIFT GROUP	O'HARA ARFF	60666	FINDS	
CHICAGO	S103292529	U.S. AIR FORCE	WEST RAMP		LUST	
CHICAGO	98469237	SHEEN SIZE: 8-20 FT X 1/2 MILE / COLOR: LIGHT RAINBOW / DIES	SHEEN SIZE: 8-20 FT X 1/2 MILE / COLOR: LIGHT RAINBOW / DIES		ERNS	
CHICAGO	98452229	SHEEN SIZE:100 FT X 20 FT / COLOR: RAINBOW	SHEEN SIZE:100 FT X 20 FT / COLOR: RAINBOW		ERNS	
ROSEMONT	1001232007	I 90 BRIDGE OVER HIGGINS RD	I 90 @ HIGGINS RD	60018	RCRIS-SQG	
ROSEMONT	S102945207	MOBIL OIL CORP.	9401 W HIGGINS RD	60018	LUST	

GEOCHECK VERSION 2.1 ADDENDUM
GROUNDWATER FLOW INFORMATION

Map ID Direction Distance Elevation	Site	
2g	Site ID:	1000383010
NW	Groundwater Flow:	Not Reported
1 - 2 Miles	Deep Water Depth:	Not Reported
Lower	Average Water Depth:	4.24
	Shallow Water Depth:	Not Reported
	Current Deep Depth:	5.32
	Current Average Depth:	3.0
	Current Shallow Depth:	1.01
	Date:	4/30/1996
3g	Site ID:	S100344195
ENE	Groundwater Flow:	E
1 - 2 Miles	Deep Water Depth:	5.33
Lower	Average Water Depth:	Not Reported
	Shallow Water Depth:	4.50
	Current Deep Depth:	Not Reported
	Current Average Depth:	5
	Current Shallow Depth:	Not Reported
	Date:	08/27/1993
4g	Site ID:	S100343957
North	Groundwater Flow:	Not Reported
1/2 - 1 Mile	Deep Water Depth:	13
Lower	Average Water Depth:	Not Reported
	Shallow Water Depth:	9
	Current Deep Depth:	13
	Current Average Depth:	Not Reported
	Current Shallow Depth:	9
	Date:	09/28/1993
9g	Site ID:	S102945209
North	Groundwater Flow:	Not Reported
0 - 1/8 Mile	Deep Water Depth:	8
Lower	Average Water Depth:	Not Reported
	Shallow Water Depth:	6
	Current Deep Depth:	8
	Current Average Depth:	Not Reported
	Current Shallow Depth:	6
	Date:	05/12/1998

The following regulatory files were reviewed by a member of EDR's professional field research team in an effort to identify groundwater flow direction and depth information. However, this information was not evident in the reports. This may be for a number of reasons, such as groundwater monitoring wells not being part of the field work or groundwater not having been encountered during drilling. This information is provided to save you time and money in the conduct of your hydrogeological research.

Map ID	Date	Type Of Report
1g	04/15/1991	Not Reported
5g	04/01/1996	Not Reported
6g	Not Reported	Not Reported
7g	09/13/1994	Not Reported
8g	09/12/89	Not Reported
10g	07/16/1993	Not Reported
11g	Not Reported	Not Reported
12g	4/12/1994	Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Northern Quadrant)

BASIC WELL DATA

Site ID:	420212087525601	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1923	County:	Cook
Altitude:	633.00 ft.	State:	Illinios
Well Depth:	1670.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	166.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01151946	Prim. Use of Water:	Public supply

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Glacial (undifferentiated)
Further Description:	CL,SLT,S&G,GRNU

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

BASIC WELL DATA

Site ID:	420034087504901	Distance from TP:	>2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1893	County:	Cook
Altitude:	640.00 ft.	State:	Illinios
Well Depth:	1425.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	90.00 ft.	Prim. Use of Site:	Unused
Date Measured:	01011912	Prim. Use of Water:	Unused

LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Cenozoic-Quaternary-Pleistocene
Principal Lithology of Unit:	Glacial (undifferentiated)
Further Description:	CL, S&G

WATER LEVEL VARIABILITY

Not Reported

GEOCHECK VERSION 2.1
FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Western Quadrant)

BASIC WELL DATA

Site ID:	420008087550001	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1982	County:	Cook
Altitude:	650.00 ft.	State:	Illinios
Well Depth:	252.00 ft.	Topographic Setting:	Flat surface
Depth to Water Table:	78.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	09131982	Prim. Use of Water:	Public supply

LITHOLOGIC DATA

Not Reported

WATER LEVEL VARIABILITY

Water Level:	78.00 ft.	Water Level:	78.00 ft.	Water Level:	78.00 ft.	Water Level:	78.00 ft.
Date Measured:	09/13/82	Date Measured:	09/15/82	Date Measured:	09/17/82	Date Measured:	09/20/82
Water Level:	64.00 ft.	Water Level:	78.00 ft.	Water Level:	78.00 ft.	Water Level:	78.00 ft.
Date Measured:	01/01/83	Date Measured:	09/13/82	Date Measured:	09/15/82	Date Measured:	09/17/82
Water Level:	78.00 ft.	Water Level:	64.00 ft.				
Date Measured:	09/20/82	Date Measured:	01/01/83				

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Water Wells Information:

Well Within 0 - 1/8 Mile of Target Property (Northern Quadrant)

Well ID:	034912	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	ARTHUR BOLSCHE		
Permit:	Not Reported	Date Drilled:	00/00/1942
Depth (in feet):	137	Aquifer Type:	Bedrock
County Code:	031	County:	COOK
Township:	41N	Range:	12E
Section:	32	Plot Location:	1B
Well Use:	Domestic	Well Type:	II
Record Type:	Construction Report,Geology		
Driller:	SNELTEN		

Well Within 0 - 1/8 Mile of Target Property (Eastern Quadrant)

Info Source:	IL Geological Survey		
API ID:	120310350800	Group Number:	31
Well Type:	WATER	Boring:	0
X Coord:	3437756	Y Coord:	3266705

Well Within 0 - 1/8 Mile of Target Property (Southern Quadrant)

Well ID:	034798	Second ID:	Not Reported
Info Source:	IL Private Water Wells Survey		
Owner:	M & J KROWKA GREENHOUSES		
Permit:	Not Reported	Date Drilled:	00/00/0000
Depth (in feet):	133	Aquifer Type:	Not Reported
County Code:	031	County:	COOK
Township:	41N	Range:	12E
Section:	33	Plot Location:	8A
Well Use:	CM	Well Type:	II
Record Type:	Chemical Analysis,Any other type of record		
Driller:	Not Reported		

Well Within 1/8 - 1/4 Mile of Target Property (Western Quadrant)

Info Source:	IL Geological Survey		
API ID:	120310349600	Group Number:	31
Well Type:	WATER	Boring:	0
X Coord:	3436486	Y Coord:	3266371

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

PWS SUMMARY:

PWS ID:	IL3073502	PWS Status:	Active	Distance from TP:	1/8 - 1/4 Mile
Date Initiated:	Not Reported	Date Deactivated:	Not Reported	Dir relative to TP:	South
PWS Name:	CHEVALIER WOODS GR 3 3121 WSO RIVER RD SO KENNEDY 02102 ROSEMONT, IL 60018				
Addressee / Facility:	Not Reported				
Facility Latitude:	41 59 43		Facility Longitude:	087 53 03	
City Served:	Not Reported				
Treatment Class:	Untreated		Population Served:	Under 101 Persons	

PWS currently has or has had major violation(s): No

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 03/03/99

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/98
Date Made Active at EDR: 01/18/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 01/13/99
Elapsed ASTM days: 5
Date of Last EDR Contact: 01/04/99

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 01/19/99
Date Made Active at EDR: 02/19/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/08/99
Elapsed ASTM days: 11
Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 01/04/99
Date Made Active at EDR: 02/24/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 02/04/99
Elapsed ASTM days: 20
Date of Last EDR Contact: 01/25/99

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/28/98
Elapsed ASTM days: 32
Date of Last EDR Contact: 03/16/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 03/25/99
Date of Next Scheduled EDR Contact: 06/21/99

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies
Database Release Frequency: Varies
Date of Last EDR Contact: Varies
Date of Next Scheduled EDR Contact: N/A

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA/NTIS
Telephone: 703-908-2493
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/08/99
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/12/99
Date of Next Scheduled EDR Contact: 04/12/99

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/97
Database Release Frequency: Annually
Date of Last EDR Contact: 03/24/99
Date of Next Scheduled EDR Contact: 04/26/99

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/08/98
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 02/22/98
Date of Next Scheduled EDR Contact: 05/24/99

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 09/22/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/05/99
Date of Next Scheduled EDR Contact: 05/17/99

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 03/15/99
Date of Next Scheduled EDR Contact: 06/14/99

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 02/16/99
Date of Next Scheduled EDR Contact: 04/19/99

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-1531
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 12/28/98
Date of Next Scheduled EDR Contact: 03/29/99

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/94
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 03/17/99
Date of Next Scheduled EDR Contact: 06/14/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF ILLINOIS ASTM RECORDS:

LUST: Leaking Underground Storage Tank Sites
Source: Illinois Environmental Protection Agency
Telephone: 217-782-6760
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 11/18/98
Date Made Active at EDR: 02/12/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 01/11/99
Elapsed ASTM days: 32
Date of Last EDR Contact: 03/02/99

SHWS: Category List
Source: Illinois Environmental Protection Agency
Telephone: 217-524-4863
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A
Date Made Active at EDR: 01/26/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/23/98
Elapsed ASTM days: 34
Date of Last EDR Contact: 03/02/99

LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge
Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/01/99
Date Made Active at EDR: 03/25/99
Database Release Frequency: Annually
Date of Data Arrival at EDR: 02/26/99
Elapsed ASTM days: 27
Date of Last EDR Contact: 02/15/99

UST: STC (State, Town, County) Facility List
Source: Illinois State Fire Marshal
Telephone: 217-785-0969
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/03/98
Date Made Active at EDR: 08/21/98
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 07/23/98
Elapsed ASTM days: 29
Date of Last EDR Contact: 03/09/99

STATE OF ILLINOIS NON-ASTM RECORDS:

NIPC: Solid Waste Landfill Inventory
Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400
Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/88
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 06/11/97
Date of Next Scheduled EDR Contact: N/A

CAT: Category List
Source: Illinois EPA
Telephone: N/A

Date of Government Version: 06/01/97
Database Release Frequency: N/A

Date of Last EDR Contact: 03/02/99
Date of Next Scheduled EDR Contact: 05/31/99

Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: NPL Deletions
Source: EPA
Telephone: 703-603-8769
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 01/19/99
Date Made Active at EDR: 02/19/99
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 02/08/99
Elapsed ASTM days: 11
Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 03/03/99

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

Area Radon Information: The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones: Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

Oil/Gas Pipelines/Electrical Transmission Lines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1996 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

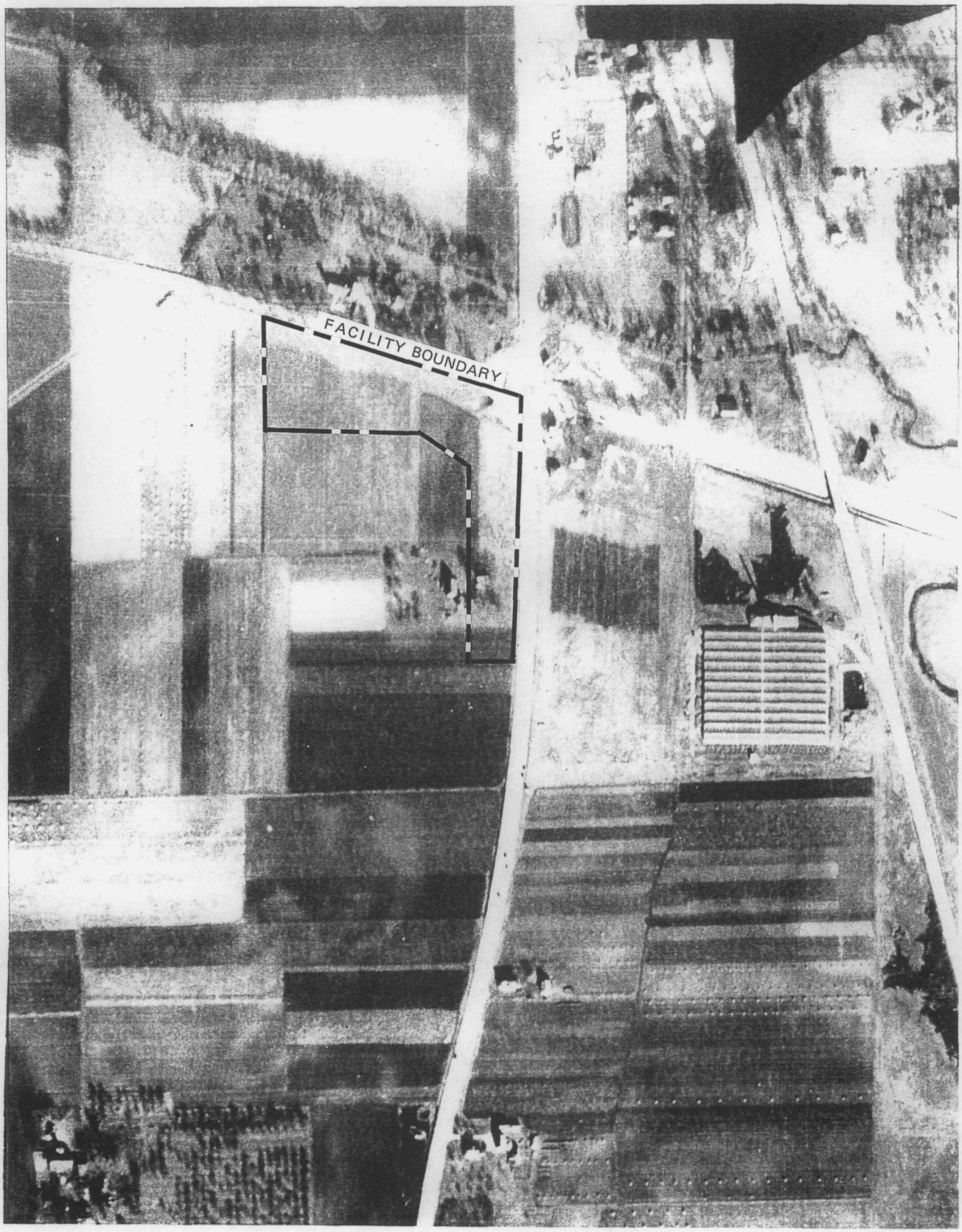
County Well Data in Illinois: Cook and DuPage Counties
Source: Illinois State Geological Survey
Telephone: 217-244-2387

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)
Source: Illinois State Water Survey
Telephone: 217-333-9043

Illinois State Geological Survey Water Wells
Source: Illinois State Geological Survey
Telephone: 217-333-5102
Point data set that shows locations, well type, and well ID for wells in Illinois. Data comes from driller's logs.

AQUIFLOW™ Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

APPENDIX G
HISTORICAL AERIAL PHOTOGRAPHS



LEGEND:

Facility Boundary

Scale 0 600 1200 Feet

Approximate Scale

1938 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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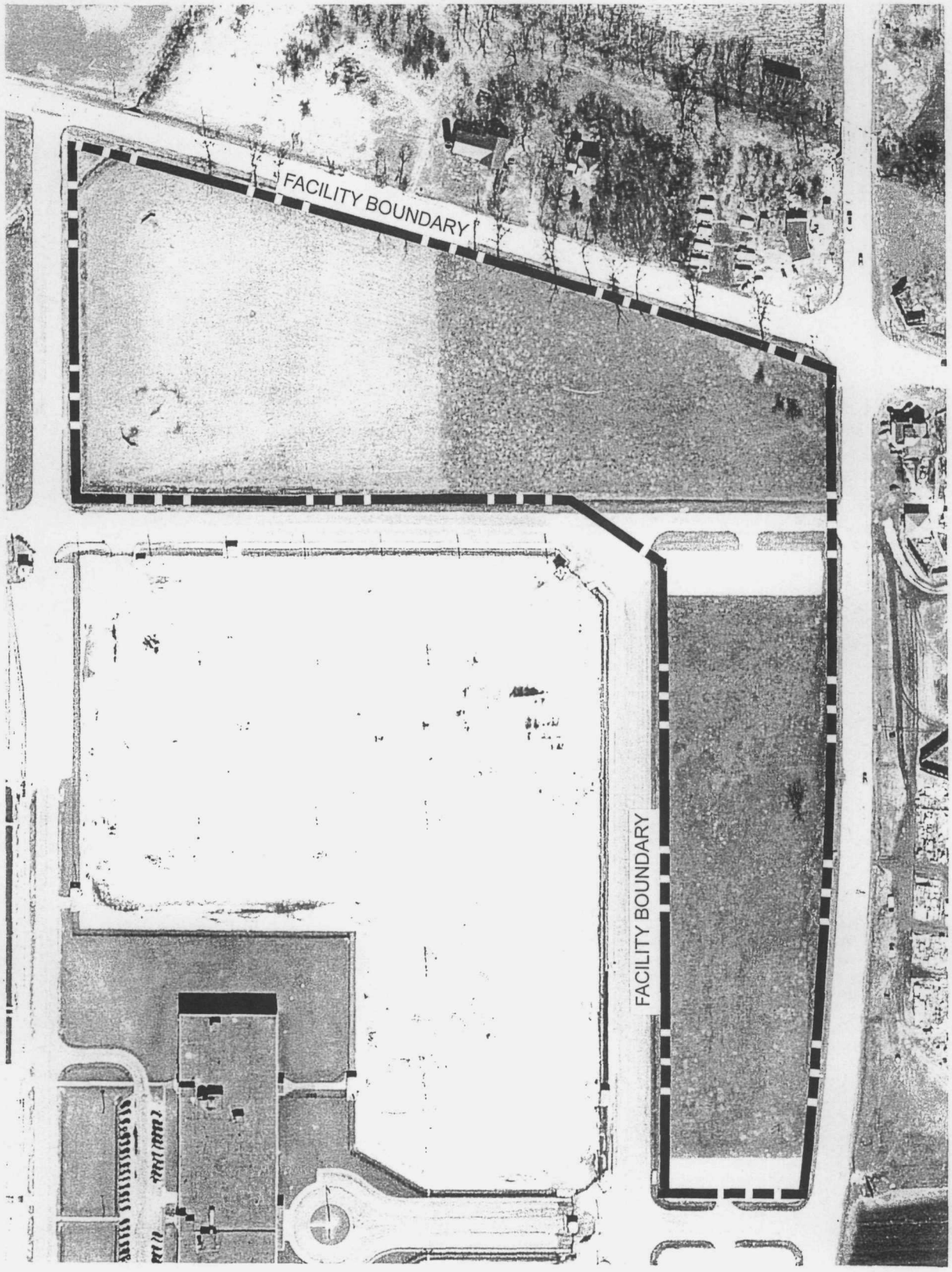

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Scale 0 200 400 Feet

Approximate Scale

1949 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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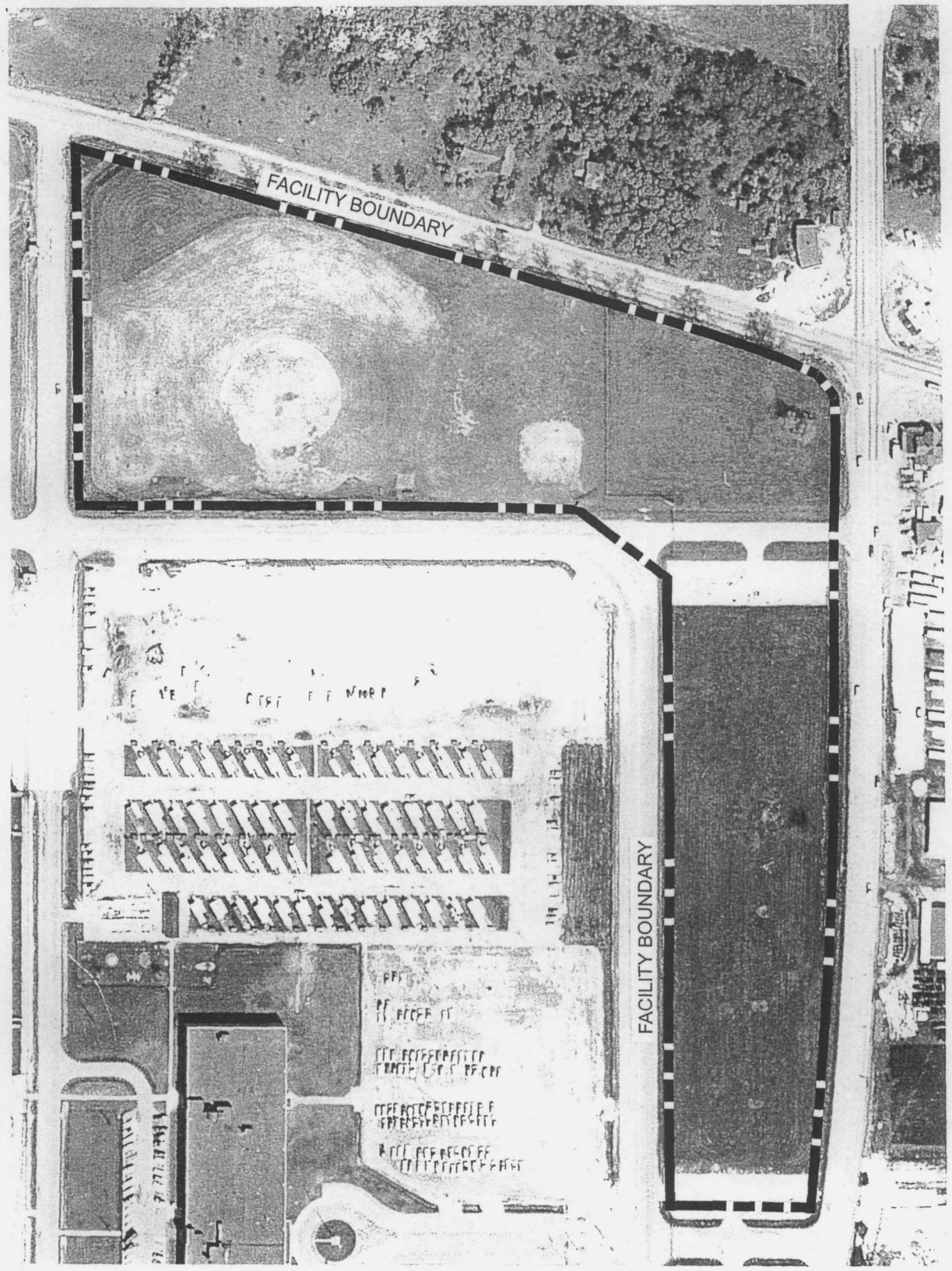

LEGEND:

Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1955 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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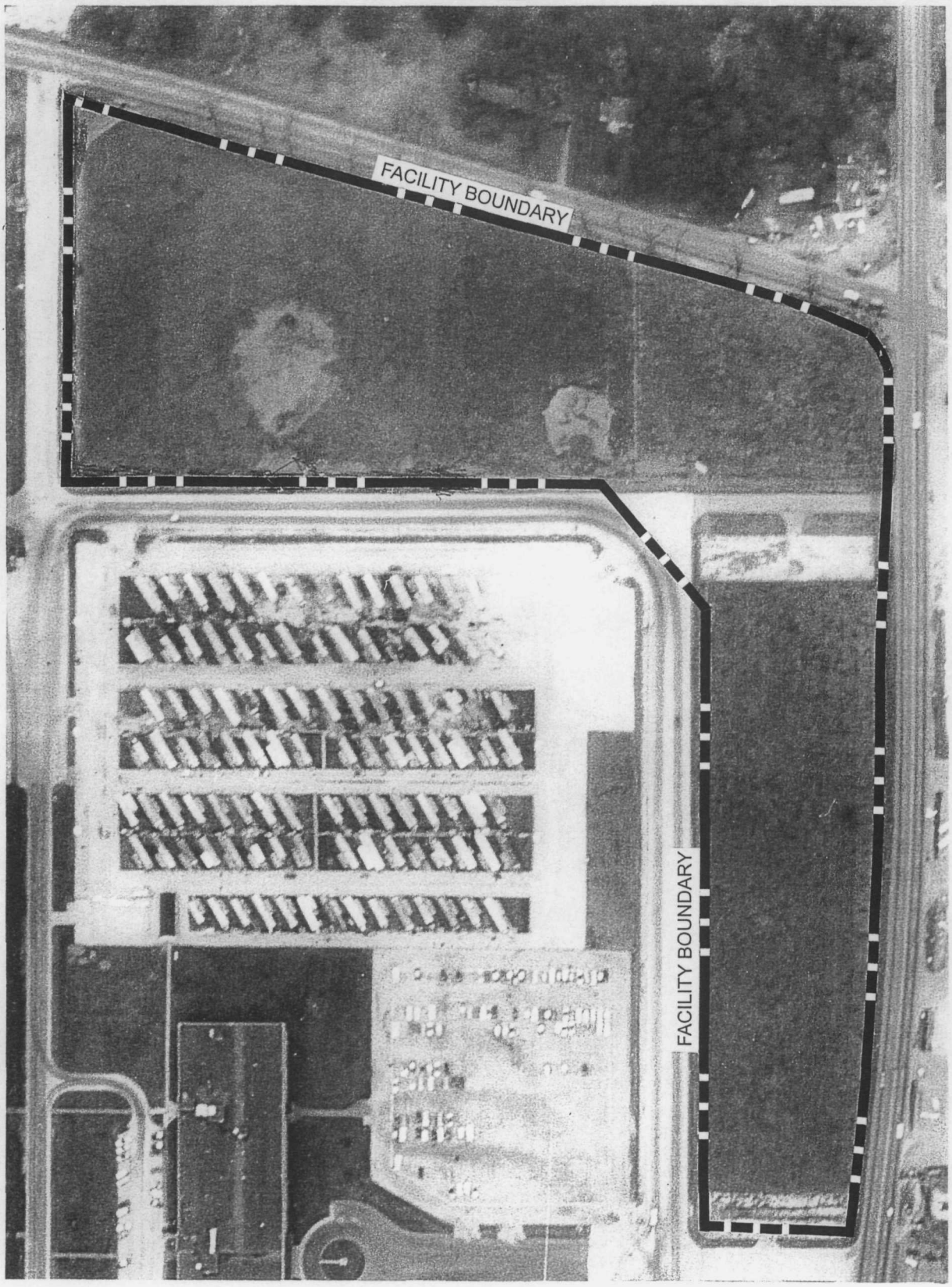

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Scale 0 200 400 Feet

Approximate Scale

1958 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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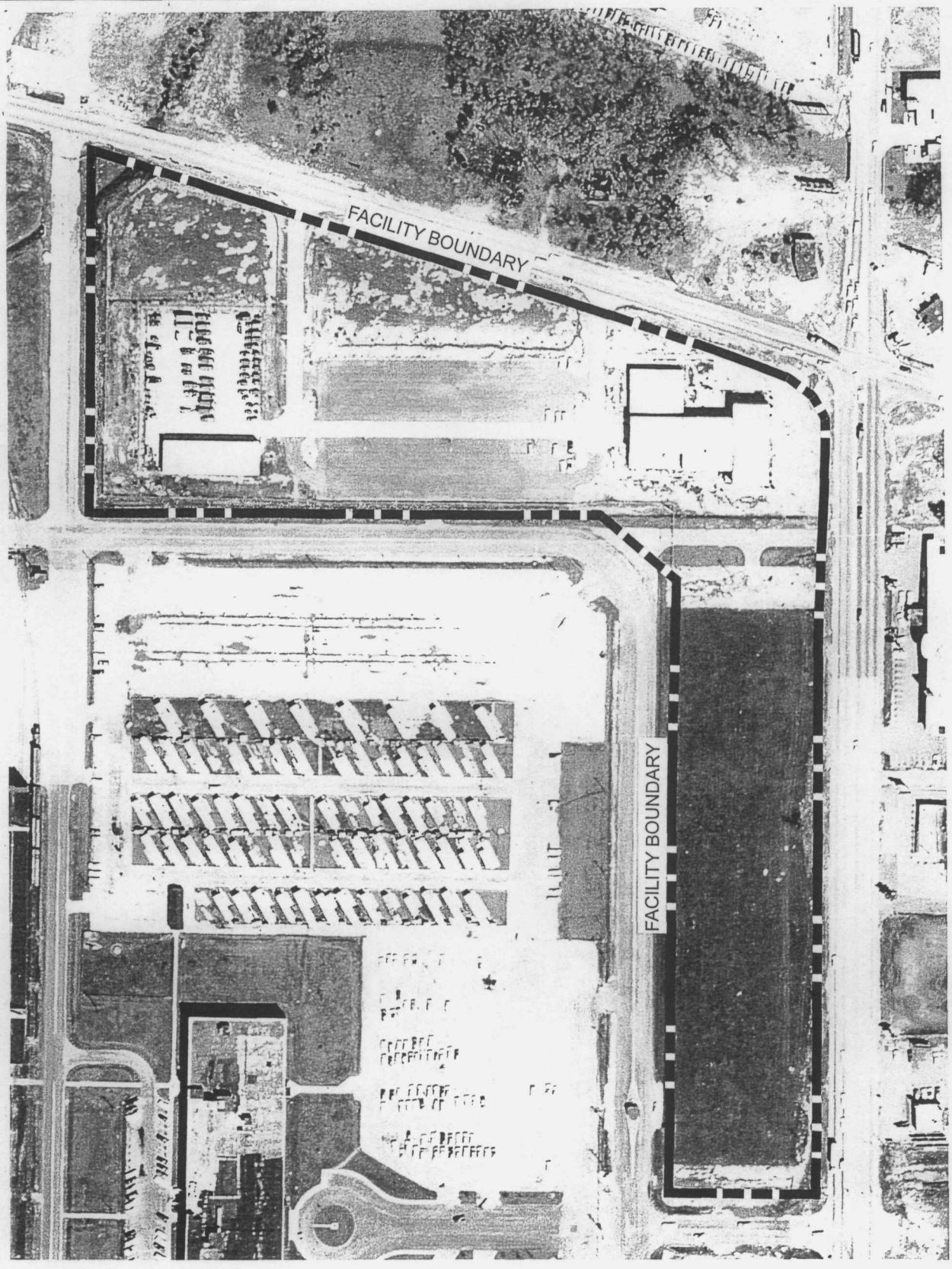

LEGEND:

Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1963 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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LEGEND:

Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1968 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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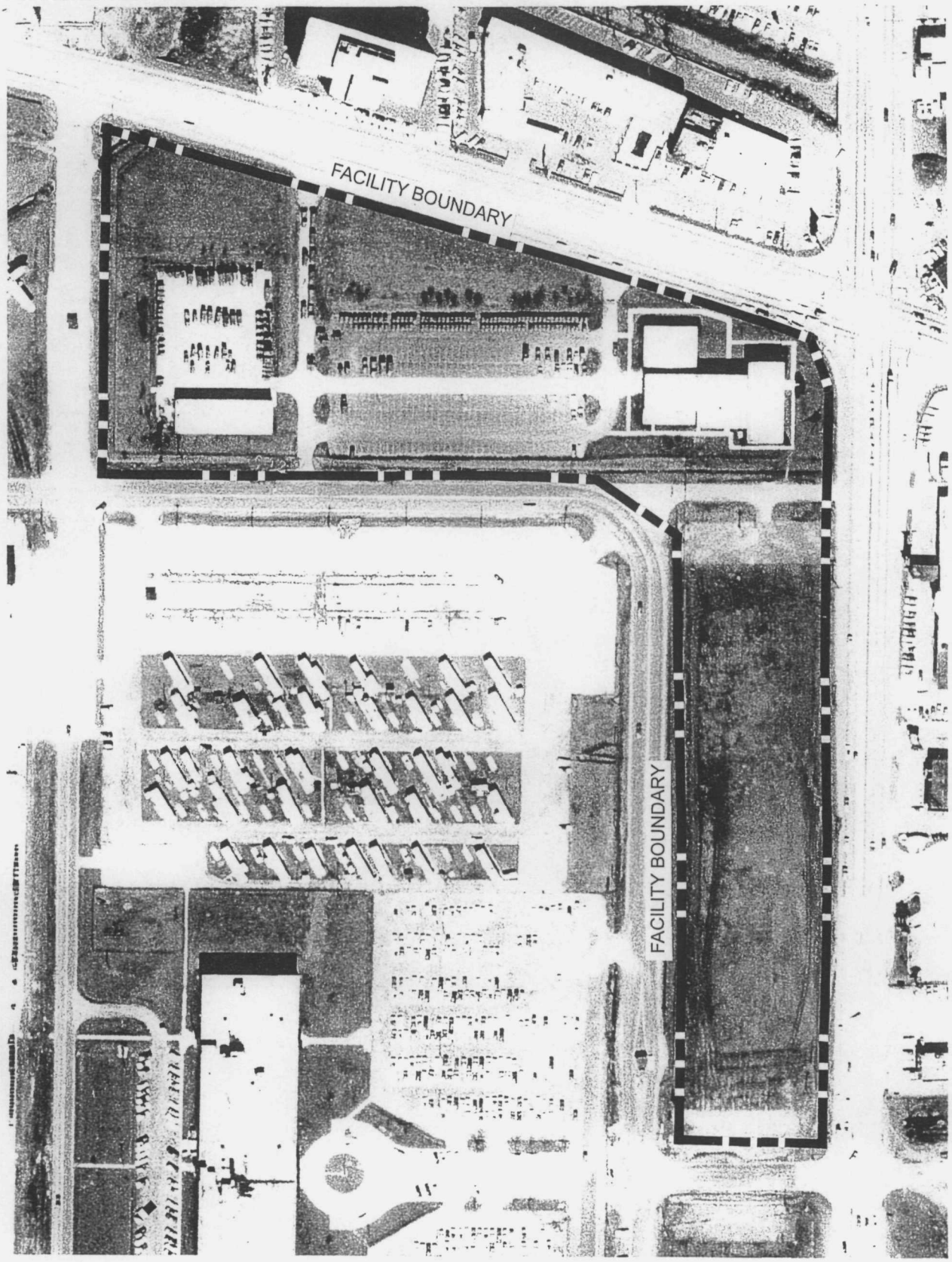

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Approximate Scale

1970 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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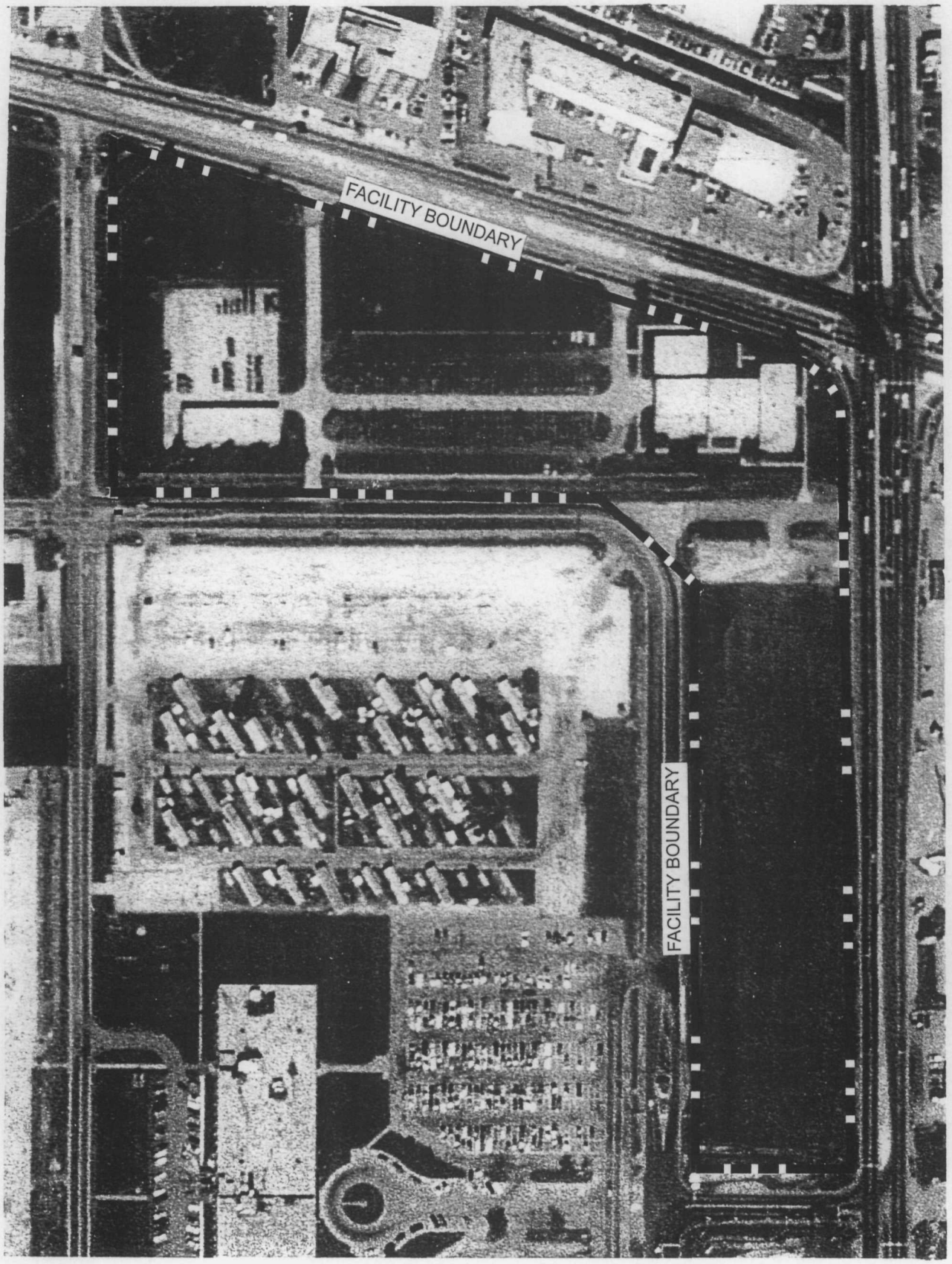

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Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1975 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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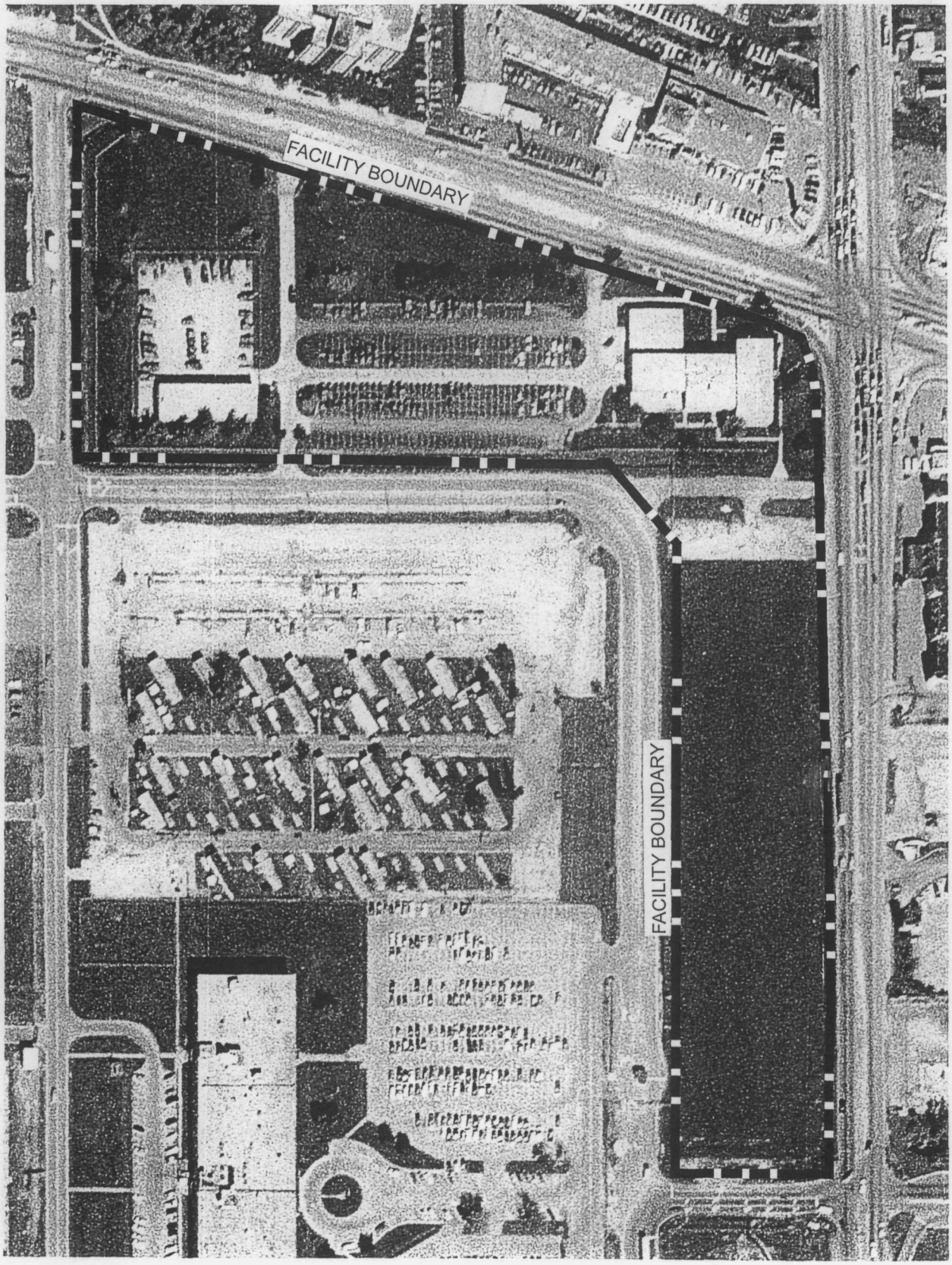

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Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1981 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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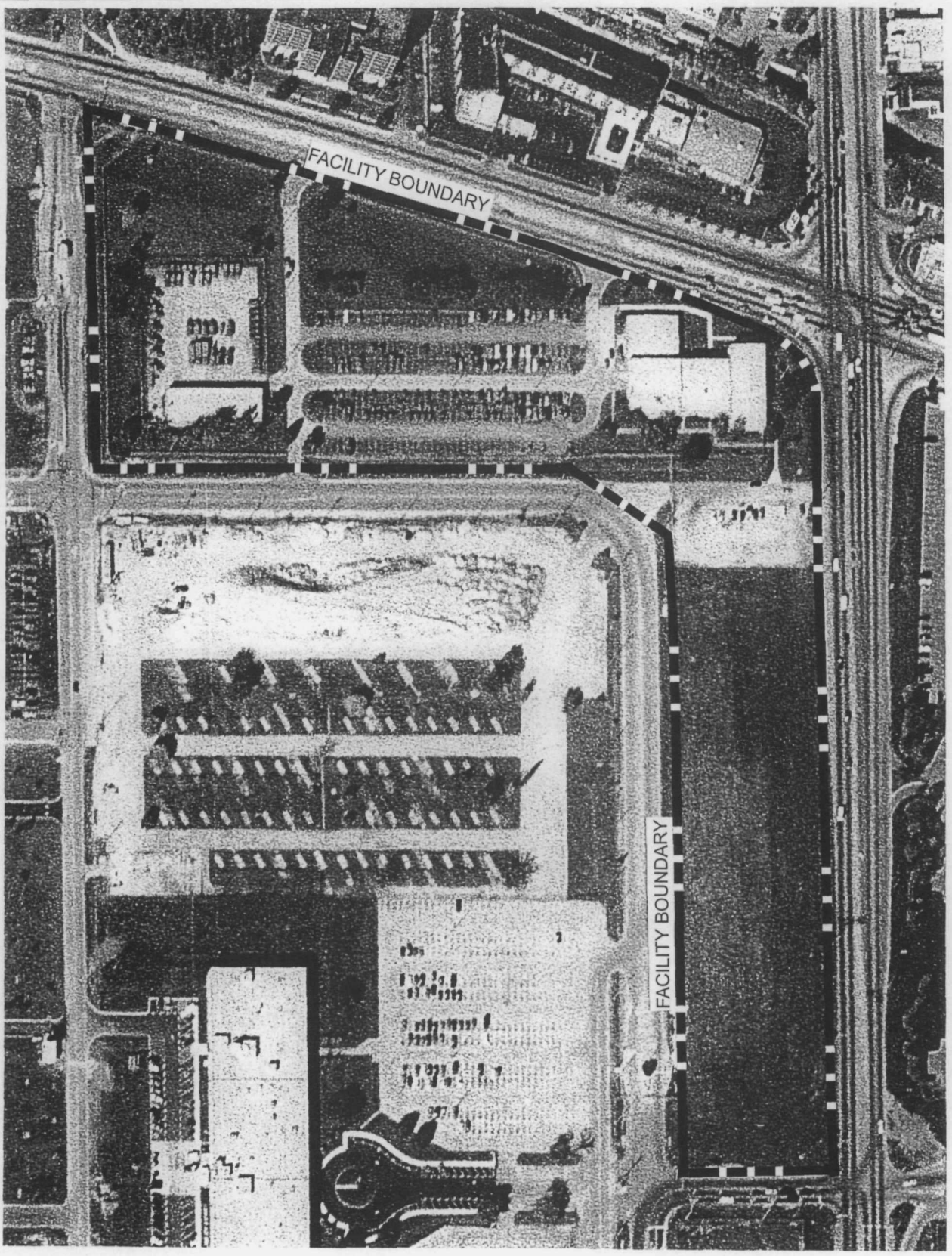

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Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1987 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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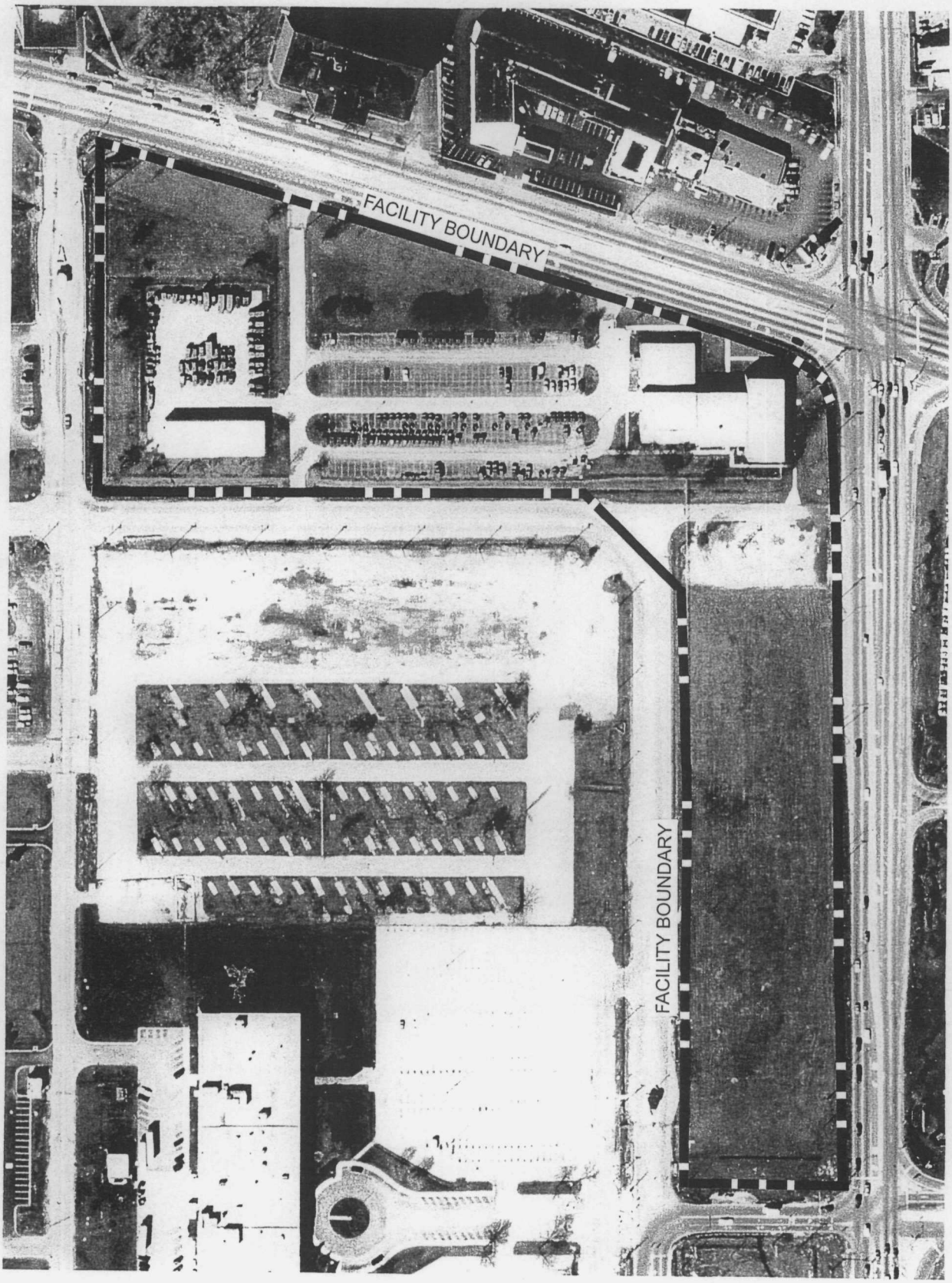

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Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1990 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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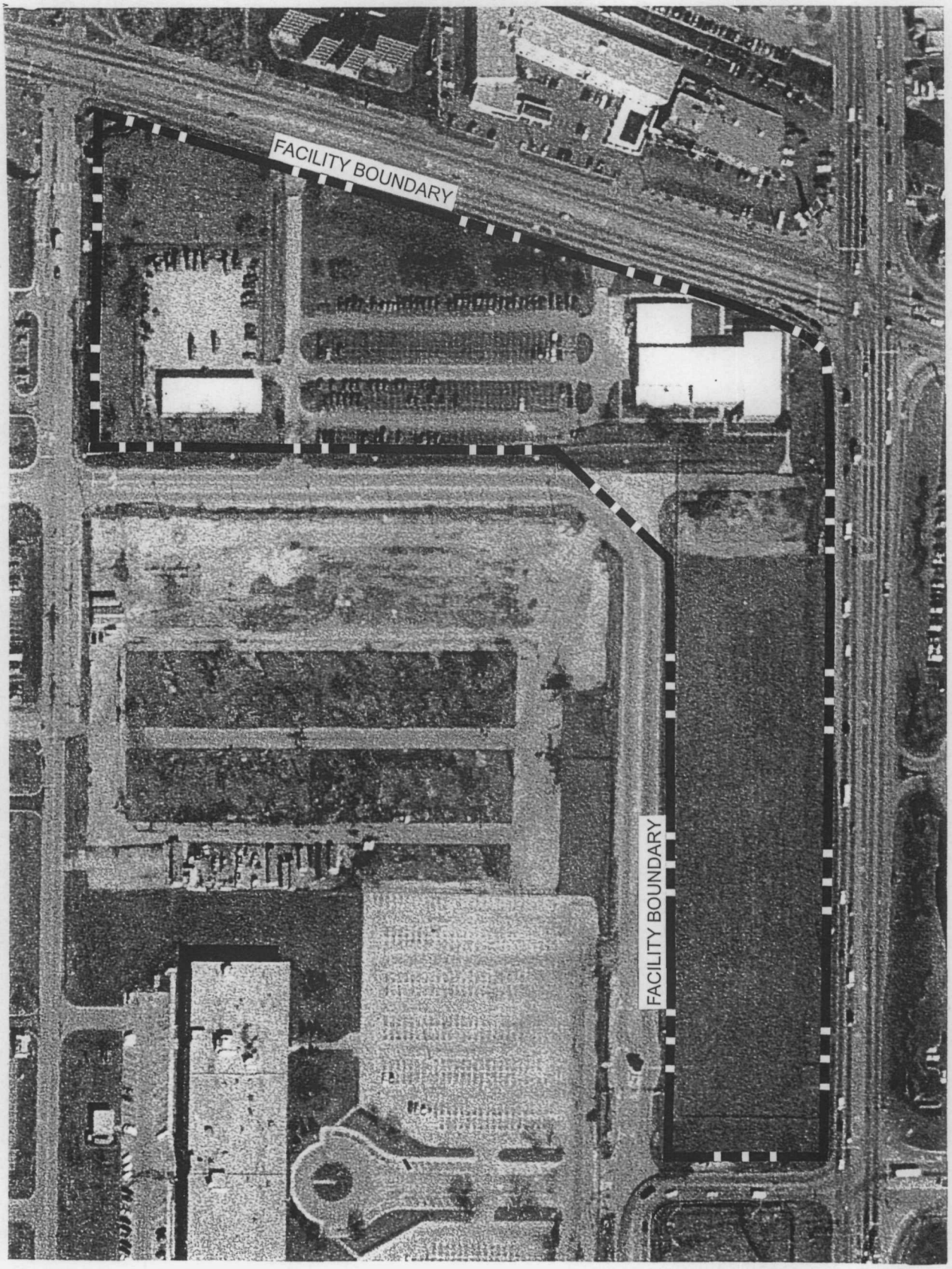

LEGEND:

Facility Boundary

Scale 0 200 400 Feet

Approximate Scale

1992 AERIAL PHOTOGRAPH

FORT DEARBORN ENVIRONMENTAL BASELINE SURVEY
City of Chicago, Illinois

HARZA ENGINEERING COMPANY
WATER & ENVIRONMENT

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